4.12.8 The Java Data Acquisition Request (DAR) Tool (JDT)

Science users submit Data Acquisition Requests (DARs) to the Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) Ground Data System (GDS) in Japan from the Earth Observing System Data and Information System (EOSDIS) Core System (ECS) using the web-based Java DAR Tool (JDT). Table 4.12.8-1 lists the capabilities provided to the user with the JDT.

A DAR is a request for data from the ASTER instrument. A typical DAR includes information about the area that is to be imaged, the time range over which images are to be taken, and which of three telescopes that are part of the ASTER instrument platform are to be used in acquiring the image data. In addition, the user request can specify a look angle or a range of look angles at which the image can/should be acquired as well as acceptable sun angles.

The AM-1 satellite and the ASTER instrument platform are tasked by the GDS. GDS schedules the ASTER platform based on the DARs submitted by ASTER users. GDS also provides the collected data as level 1A and level 1B data to the Earth Resources Observation System (EROS) Data Center (EDC) in the United States.

Table 4.12.8-1. Functions Performed with the Java Data Acquisition Requests Tool (1 of 4)

User Function	Command/ Script or GUI	Description	When and Why to Use
Viewing the contents of locally stored DAR.	Main JDT screen – "Organizer" Tab	Displays "nodes" in a tree structure. Each node represents DAR files stored locally.	Default screen for Java DAR Tool. Use to view the contents of DARs that have been saved or sent to ASTER GDS and/or to "load" previously saved DAR work back in the tool to edit or modify it.
Creating or editing a Data Acquisition Request.	"Create/Edit Request" Tab, "General" Subtab	Provides the fields in which the user can name the DAR request and set several of the DAR parameters. Also contains a row of pushbuttons used to launch dialogs and secondary windows in which additional parameters are set.	Use to fill out required information for a DAR request.

User Function	Command/ Script or GUI	Description	When and Why to Use
Specifying an "Area of Interest" polygon for a DAR.	"Create/Edit" tab, "Spatial Requirements" Subtab	Provides an interactive map and text entry which user can be used to specify the Area of Interest polygon.	Use to specify the geographic area for requested ASTER image data.
Specifying the start and end dates of observation for a given DAR	"Create/Edit" tab, "Temporal" Subtab	Provides date/time spinners and text entry fields through which the user can specify dates for data acquisition.	Use to specify start/end times, repeat interval, and acquisition window for a DAR.
Specifying "Advanced Viewing Geometry" parameters (specific look angle, look angle range, view swath ID, and/or sun angle range.)	"Create/Edit" tab, "Geometry" Subtab.	Allows user to specify look angle and sun angle for a DAR.	Use when user has specific look angle, view swath, or lighting requirements for a particular DAR request that cannot be fulfilled by ASTER instrument default settings.
Specifying "Request Priorities" parameters (parameters that effect the priority in which a DAR is scheduled or processed).	"Create/Edit" tab, "Priority" subtab.	Provides an interface from which the user set parameters that change the priority in which DARs are scheduled or processed.	Use to request an increase in priority for the scheduling of a DAR or the processing and shipping of image data collected for the DAR.
Specifying "Advanced Viewing Geometry" parameters (specific look angle, look angle range, view swath ID, and/or sun angle range.)	"Create/Edit" tab, "Geometry" Subtab.	Allows user to specify look angle and sun angle for a DAR.	Use when user has specific look angle, view swath, or lighting requirements for a particular DAR request that cannot be fulfilled by ASTER instrument default settings.
Specifying "Request Priorities" parameters (parameters that effect the priority in which a DAR is scheduled or processed).	"Create/Edit" tab, "Priority" subtab.	Provides an interface from which the user set parameters that change the priority in which DARs are scheduled or processed.	Use to request an increase in priority for the scheduling of a DAR or the processing and shipping of image data collected for the DAR.
Request Remaining DAR Budget	Create/Edit Tab, "Request Remaining Budget" Pushbutton	Initiates an email to GDS requesting remaining budget.	Use when uncertain how much budget remains in DAR User account.

Table 4.12.8-1. Functions Performed with the Java Data Acquisition Requests Tool (3 of 4)

User Function	Command/ Script or GUI	Description	When and Why to Use
Submitting a DAR to ASTER GDS	"Create/Edit Request" Tab "Submit" Button	Pressing the "Submit" button causes all parameters for a DAR to be. Upon receipt of a DAR at ASTER GDS, GDS sends a DAR ID back to the user.	Use when all required DAR parameters and any optional parameters are completed and you are ready to submit a DAR.
Modifying a DAR that has already been submitted to ASTER GDS.	Either the "Modify Cloud Coverage" or the "Suspend/Activate DAR" pushbuttons on the "Organizer" tab	The user can modify these two DAR parameters from this (Organizer) screen provided that the DAR has already been sent to ASTER GDS and a DAR ID has been received.	When a DAR has already been sent to ASTER GDS and the user wishes to change cloud coverage to a less restrictive setting, to suspend an active DAR request or to reactivate a suspended DAR request.
Search by DAR ID	"Search" tab, "Search By DAR ID \button"	Brings up a screen where a user can search for DARs with specific IDs.	Use when a specific DAR is sought.
Search by DAR Attribute	"Search" tab, "Search By DAR Atrribute" button	Brings up a screen where the user can search for DARs with certain attributes.	Use when DARs with certain characteristics are desired.
Creating or editing a Data Acquisition Request Search.	"Search" Tab, "Search By DAR Atrribute" button, "General" Subtab	Provides the fields in which the user can name the DAR request and set several of the DAR parameters. Also contains a row of pushbuttons used to launch dialogs and secondary windows in which additional parameters are set.	Use to fill out required information for a DAR search.
Specifying an "Area of Interest" polygon for a DAR Search.	"Search" tab, "Search By DAR Atrribute" button, "Spatial Requirements" Subtab	Provides an interactive map and text entry which user can be used to specify the Area of Interest polygon.	Use to specify the geographic area for requested ASTER image data.
Specifying the start and end dates of observation for a given DAR search.	"Search" tab, "Search By DAR Atrribute" button, "Temporal" Subtab	Provides date/time spinners and text entry fields through which the user can specify dates for data acquisition.	Use to specify start/end times, repeat interval, and acquisition window for a DAR search.

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**Table 4.12.8-1.   Functions Performed with the Java
Data Acquisition Requests Tool (4 of 4)**

User Function	Command/ Script or GUI	Description	When and Why to Use
Specifying "Advanced Viewing Geometry" parameters (specific look angle, look angle range, view swath ID, and/or sun angle range for a DAR search.)	"Search" tab, "Search By DAR Atrribute" button, "Geometry" Subtab.	Allows user to specify look angle and sun angle for a DAR search.	Use when user has specific look angle, view swath, or lighting requirements for a particular DAR search request that cannot be fulfilled by ASTER instrument default settings.
Specifying "Request Priorities" parameters (parameters that effect the priority in which a DAR is scheduled or processed) for a search	"Search" tab, "Search By DAR Attribute" button, "Priority" subtab.	Provides an interface from which the user set parameters that reflect the priority in which DARs that the user is searching for.	Use to request an increase in priority for the scheduling of a desired DAR or the processing and shipping of image data collected for a desired DAR.
Viewing Search Results	Inspect Result Tab	Provides an interface for the user to examine results of a search.	Use to see what results came back for a search
Viewing Acquired Scenes (Textually)	Acquired Scenes Textual Dialog	Provides an interface for the user to examine scenes in a xAR	Use to see (textually) what scenes are in a xAR.
Viewing Acquired Scenes (Graphically)	Acquired Scenes Graphical Dialog	Provides an interface for the user to examine scenes in a xAR	Use to see (graphically) what scenes are in a xAR.
Viewing Acquired Areas of Interest	AOI/AOS Dialog	Provides a graphical interface for viewing Areas of Interest.	Use to see areas of interest within a scene.

4.12.8.1 Quick Start Using the JDT

The JDT is a Java applet that is downloaded over the World Wide Web. In order to start it, the user must have a connection to the World Wide Web and a browser such as Netscape running.

The JDT is started by entering a Universal Resource Locator (URL) in the "Location" field of the Netscape browser. At the time of this writing, the JDT URL is:

http://e0ins02u.ecs.nasa.gov:10400/JDTApplet_plugin.html

The user will see the JDT login screen shown in Figure 4.12.8-1 appear.

Figure 4.12.8-1. Java DAR Tool Login screen.

A registered user may login by providing "**Username**" and "**Password**" and then clicking the **"ok"** button. Unregistered users may check the **"Guest"** box and then click **"ok"**. If the user logs in as an ECS Guest the splashscreen shown in Figure 4.12.8-2 appears.

Figure 4.12.8-2. JDT Splashscreen.

The user can elect either to go to the U.S. ASTER website to obtain authorization for submitting DARs or press the **"ok"** button to view JDT features but have no authorization to submit DARs.

4.12.8.2 JDT Main Screen - Organizer Tab

The JDT Main Screen is the foundation frame for authorized users looking to perform all ASTER DAR related functions. As shown in Figure 4.12.8-3, this screen consists of four (4) main tabs:

1) **Organizer** – This tab acts as a "proxy" file manager for the user's DAR related data. This is the default tab and is the currently selected tab when the JDT Main Screen is displayed.

2) **Create/Edit DAR** - This tab allows the user to create new DARs or edit existing DARs.

3) **Create/Edit Search** - This tab allows the user to create, submit and edit xAR searches either by DAR attributes or DAR ID's

4) **Inspect Results** - This tab allows the user to view search results, manipulate search results sets, and view any acquired scenes.
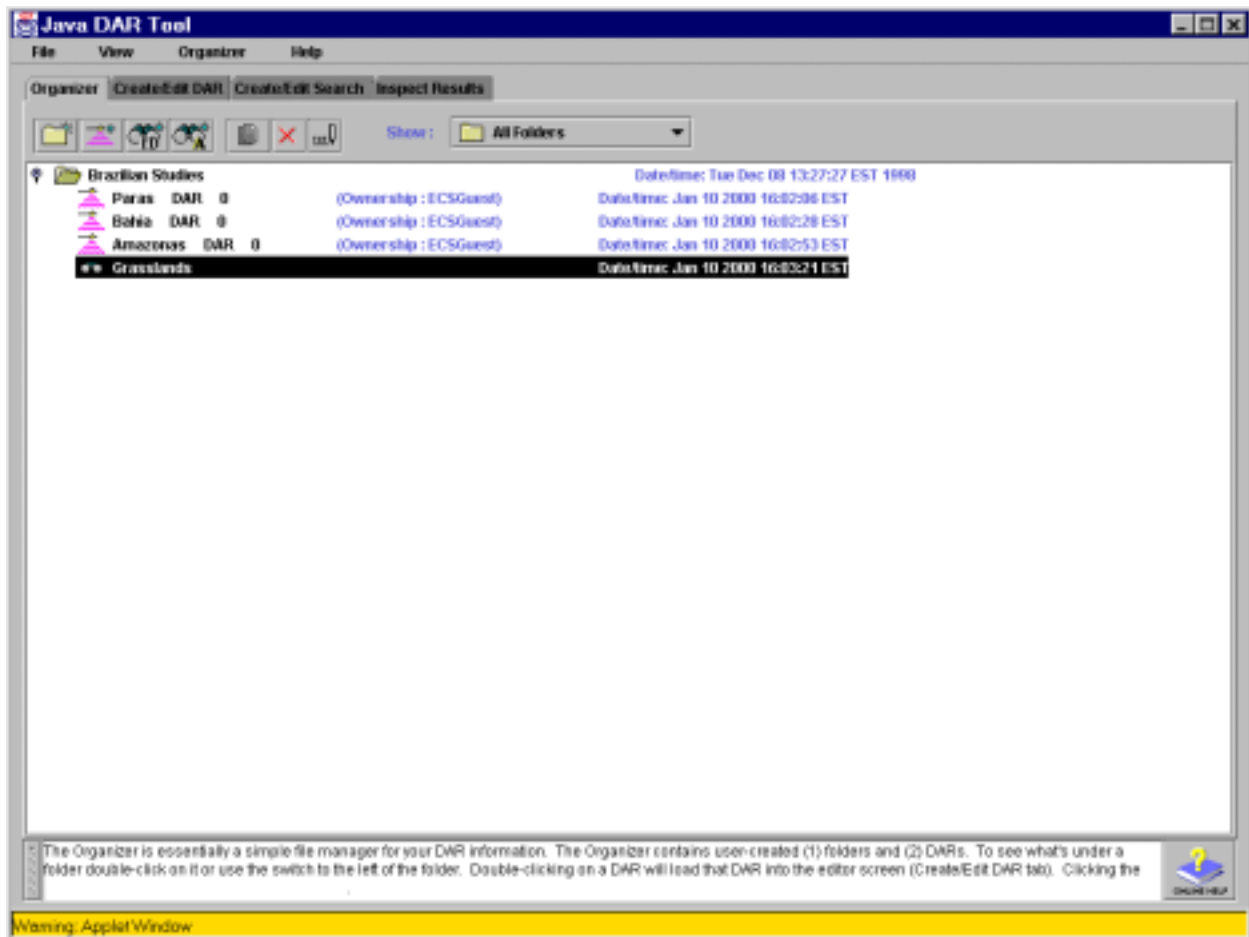

Figure 4.12.8-3. JDT Main Screen with Default Organizer Tab Selected

The JDT main screen contains a menu bar at the top whose available functionality changes based on the currently selected tab.

Menu Bar Functions

The **File Menu** gives the user the ability to perform the following functions:
1) **New:Folder** creates a new folder in the Organizer which the user can use to manage the data that is created.
2) **New:DAR** creates a new DAR from scratch.
3) **New:Search:Search by DAR ID(s)** creates a new search based on one or more DAR ID(s).
4) **Open** gives the user the ability to open an existing node in the Organizer.
5) **Display as HTML** allows the user to display a selected node of data from within the Organizer in HTML format.

6) **Copy <DAR, Search, Search Results> to Folder** allows the user to copy the currently selected data node from within the Organizer from one Folder to another.
7) **Delete** allows the user to delete the currently selected node from within the Organizer.
8) **Rename** allows the user to rename the currently selected node from with the Organizer.
9) **Exit** allows the user to exit the Java DAR Tool.

The **View Menu** gives the user the ability to perform the following functions:

1) **Search Status** allows the user to view the status of any submitted DAR Search (either by DAR ID or DAR Attributes).
2) **Instruction Line** allows the user to view the instruction line at the bottom of the Main Screen. The instruction line is for tab and nested tab selections. There is also a 'More Info' button which provides tutorial presentations for selected tabs/nested tabs if selected by the user.
3) **Splash Screen Introduction** allows the user to view the Splash Screen displayed during the login process.

To the right of the **View Menu**, a menu unique to the tab selected appears. If the **Organizer** tab is selected, the **Organizer** menu appears. If the **Create/Edit DAR** tab is selected, **Create/Edit DAR** menu appears. If the **Create/Edit Search** tab is selected, the **Create/Edit Search** menu appears. And, if the **Inspect Results** tab is selected, the **Inspect Results** menu appears. These tab-unique menus are described in the following tab-oriented sections.

The **Help Menu** provides the user with the following reference documentation/information:

1) **Release Notes**
2) **Contact Information**
3) **User's Guide**
4) **Tutorials**
5) **Acronyms**
6) **Glossary**
7) **General Information about JDT**

4.12.8.2.1 Organizer Tab

The **Organizer** tab, shown in Figure 4.12.8-3, is the default tab displayed when the JDT is first brought up. It provides the user with file management tools for handling DARs. To the right of the **View Menu** on the main screen menu is the **Organizer Menu** unique to this tab containing the single function:

1) **Show (Hide) Time Stamp**

On the **Organizer** tab itself, a toolbar containing 8 function buttons provides the following support:

1) **Create new folder -** Creates a new folder in the organizer.
2) **Create new DAR -** Creates a new DAR in the current folder
3) **Search by ID -** takes user to tab to search for a DAR by its ID
4) **Search by Attribute -** takes user to a tab to search for DARs by their characteristics.
5) **Copy -** Copy the current DAR.
6) **Delete -** Delete the current DAR
7) **Rename -** Rename the current DAR
8) **Show** – shows the contents of a selected folder.

4.12.8.2.2 Create/Edit DAR Tab

The **Create/Edit DAR** tab, shown in Figure 4.8.12-4, provides the user with the ability to create DARs from scratch, create DARs by "templating", edit a "work in progress" DAR, estimate area coverage, create an attached Data Processing Request (DPR), and submit a DAR and Attached DPR.

The **Create/Edit DAR** menu to the right of the **View Menu** on the main screen contains the following functions unique to this tab:

1) **Update DAR** which allows the user to commit any changes to an existing DAR,
2) **Submit DAR** which allows the user to submit a newly created DAR.
3) **Request Remaining DAR Budget.**
4) **Estimate Resources**.
5) **Suspend/Activate DAR**
6) **Modify Cloud Coverage**

The **Create/Edit DAR** tab itself contains six (6) subordinate tabs, several action buttons which apply their respective functionality to each of the six subordinate tabs, and a DAR Summary panel. The DAR Summary Panel shows the user the current (committed) values of the DAR being created/edited.
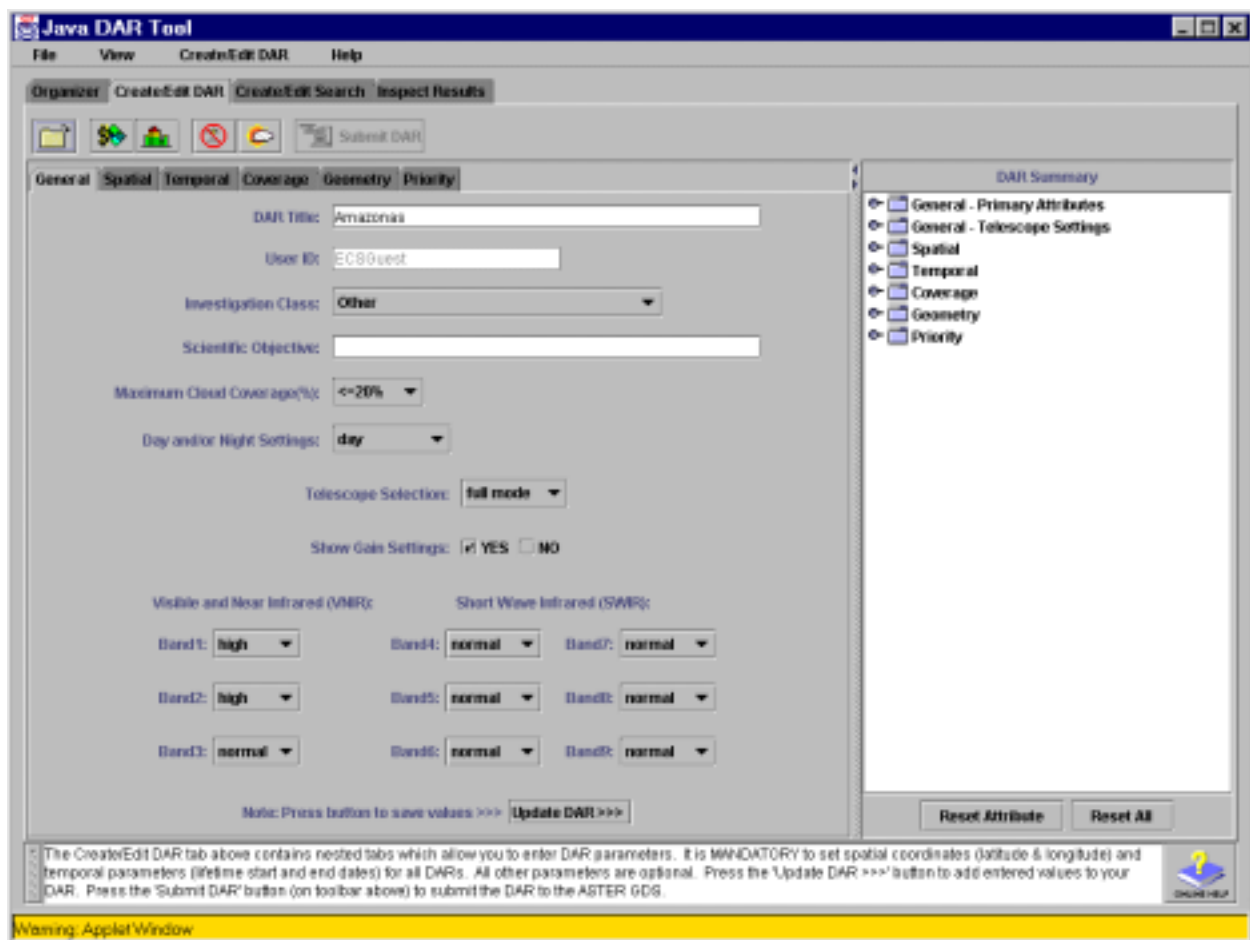

Figure 4.12.8-4. Create/Edit DAR Tab of JDT Main Screen

Toolbar/button definitions:

The toolbar on the **Create/Edit DAR** tab presents the following functions to the user:

1) **Open DAR** – opens the DAR.

2) **Remaining DAR Budget -** triggers the calculation of the remaining budget for the current DAR.

3) **Estimate DAR Resources** – triggers an estimation of the resources that this DAR will consume.

4) **Suspend DAR** – toggles the state of the DAR between Suspend and Unsuspend.

5) **Modify Cloud Coverage** – initiates a dialogue that allows the user to modify cloud coverage.

The button icons on this tab provide the following functions:

1) **Update DAR**—clicking this button causes the DAR to be saved.

2) **Reset Attribute**—clicking this button will cause the highlighted attribute to be reset to its default state.

3) **Reset All**—Clicking this button will cause all attributes to be reset to their default states.

4.12.8.2.2.1 General Subtab

The **General** subtab shown in Figure 4.12.8-5 allows the user to define the broad characteristics of a DAR to make it easy to identify the nature of the DAR being submitted. Additionally, it provides a convenient location for setting cloud cover, day/night, and specific telescope and gain settings for a DAR.
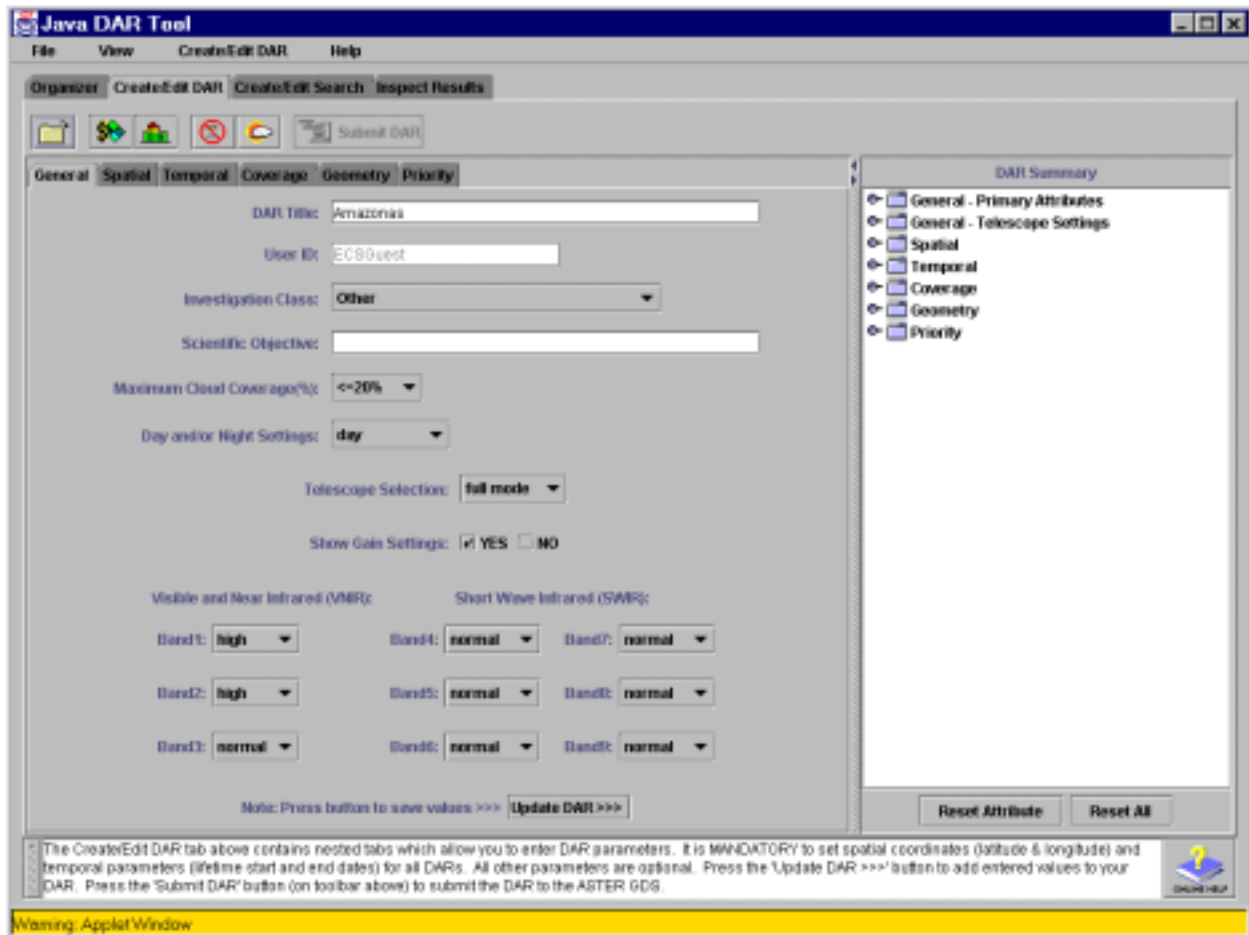
Figure 4.12.8-5. General Subtab within Create/Edit DAR Tab

Table 4.12.8-2 describes the control and information fields on the **General** subtab.

Table 4.12.8-2. General Subtab Field Definitions (1 of 2)

Field Name	Data Type	Size	Entry	Description
xAR Title	String		User Supplied	Name to be given to the newly created XAR.
Investigation Class	String	N/A	User Selected	Investigation class for DAR
Scientific Objective	String		User Supplied	Scientific goal tied to the creation of DAR
Maximum Cloud Coverage	String	N/A	User Selected	Maximum cloud coverage percentage desired

Table 4.12.8-2. General Subtab Field Definitions (2 of 2)

Field Name	Data Type	Size	Entry	Description
Day and/or Night Settings	String	N/A	User Selected	Range of day desired
Telescope Selection		N/A	User Selected	Type of telescope desired
Show Gain Settings	Boolean	N/A	User Selected	Show Gain Settings desired
Visible and Near Infrared (Bands 1- 3)	String	N/A	User Selected	Visible and Near Infrared Band settings desired
Short Wave Infrared (Bands 4 – 9)	String	N/A	User Selected	Short Wave Infrared Settings desired

4.12.8.2.2.2 Spatial Subtab

The **Spatial** subtab shown in Figure 4.12.8-6 allows the user to specify the desired DAR coordinates (latitude and longitude) that define the Area of Interest (AOI) polygon for the DAR with no intersections.
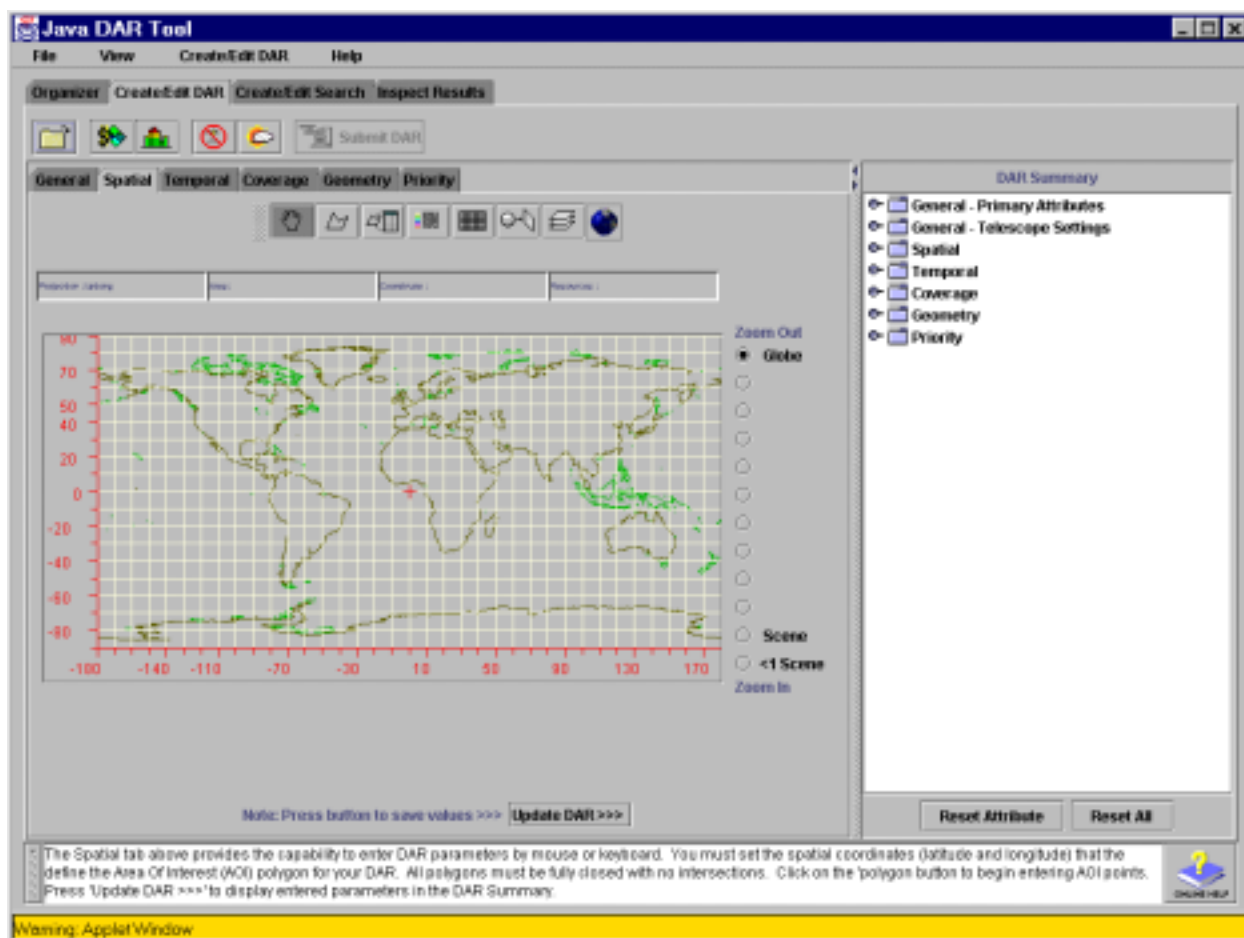

Figure 4.12.8-6. Spatial Subtab within the Create/Edit DAR Tab

The following tools are available on the **Spatial** subtab:

1) **Pan Map Mode** – displays a dialog that allows the user to reset the center point of the map
2) **AOI Mode** – displays a dialog that the user may use to enter Latitude/Longitude Coordinates for the Area of Interest of the associated DAR.
3) **View Coordinates** – Launches the Point Selection dialog.
4) **View Map Legend** – Launches the map legend dialog.
5) **Enable Map Grid** – Adds the map grid overlay to the spatial map.
6) **Select Map Projections** – Launches the map projection dialog.
7) **Select Map Overlays** – Launches the map overlay selection dialog.
8) **Stop Map Update** – stops the map requests/processes.

4.12.8.2.2.3 Temporal Subtab

The **Temporal** subtab shown in Figure 4.12.8-7 allows the user to specify the XAR Lifetime, Repeat Interval, and Acquisition Window to associated with the current DAR.
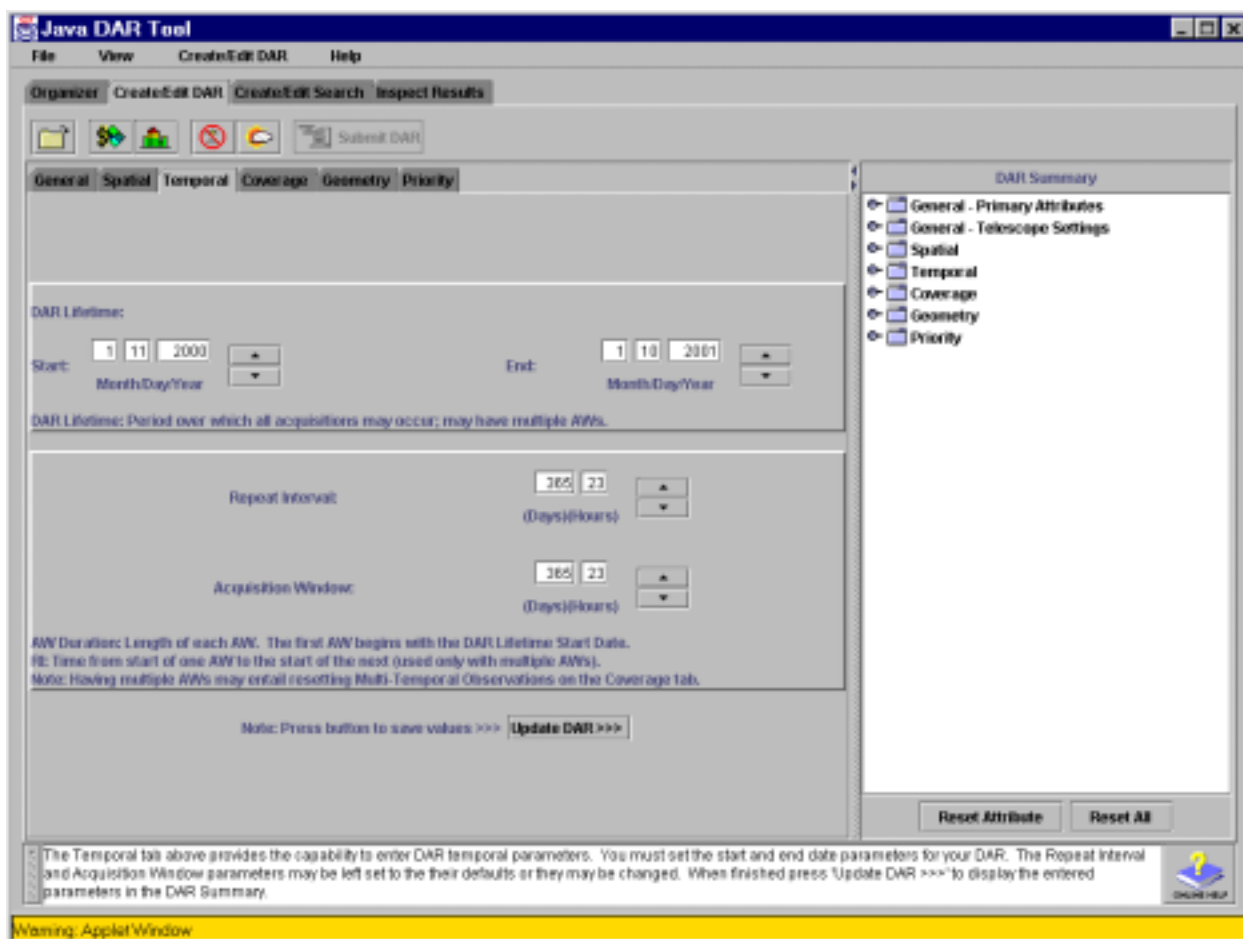

Figure 4.12.8-7. Temporal Subtab within the Create/Edit DAR Tab

Table 4.12.8-3 describes the control and information fields on the **Temporal** subtab.

Table 4.12.8-3.   Control and Information Fields on the Temporal Subtab (1 of 2)

Field Name	Data Type	Size	Entry	Description
XAR Lifetime Begin Date - Month	Integer	2 digits	User Entered/ User Selected	Beginning month of XAR Lifetime
XAR Lifetime Begin Date - Day	Integer	2 digits	User Entered/ User Selected	Beginning day of month of XAR Lifetime
XAR Lifetime Begin Date - Year	Integer	4 digits	User Entered/ User Selected	Beginning year of XAR Lifetime
XAR Lifetime End Date - Month	Integer	2 digits	User Entered/ User Selected	Ending month of XAR Lifetime
XAR Lifetime Begin Date - Day	Integer	2 digits	User Entered/ User Selected	Ending day of month of XAR Lifetime
XAR Lifetime Begin Date - Year	Integer	4 digits	User Entered/ User Selected	Ending year of XAR Lifetime
Repeat Interval - Days	Integer	2 digits	User Entered/ User Selected	Number of days between acquisition attempts
Repeat Interval - Hours	Integer	2 digits	User Entered/ User Selected	Number of hours with the day between acquisition attempts (partial day)
Acquisition Window - Days	Integer	2 digits	User Entered/ User Selected	Day of acquisition window
Acquisition Window - Hours	Integer	2 digits	User Entered/ User Selected	Partial day of acquisition window

- **Up/Down Arrow Buttons –** These buttons are located next to the XAR Lifetime Begin Date fields, the XAR Lifetime End Date fields, the Repeat Interval fields, and the Acquisition Window fields. Pressing one of these button allows the associated field grouping to be increased/decreased by the smallest increment. Specifically, pressing the 'up arrow' next to the date fields, increments the date by one day. Similarly, pressing the 'up arrow' button next to the day fields, increments the day by one hour.

4.12.8.2.2.4 Coverage Subtab

The **Coverage** subtab shown in Figure 4.12.8-8 allows the user to specify the type and amount of coverage given to the Area of Interest (AOI) polygon for a DAR. None of these parameters are required. They are user options intended to provide the capability to refine ASTER observations.
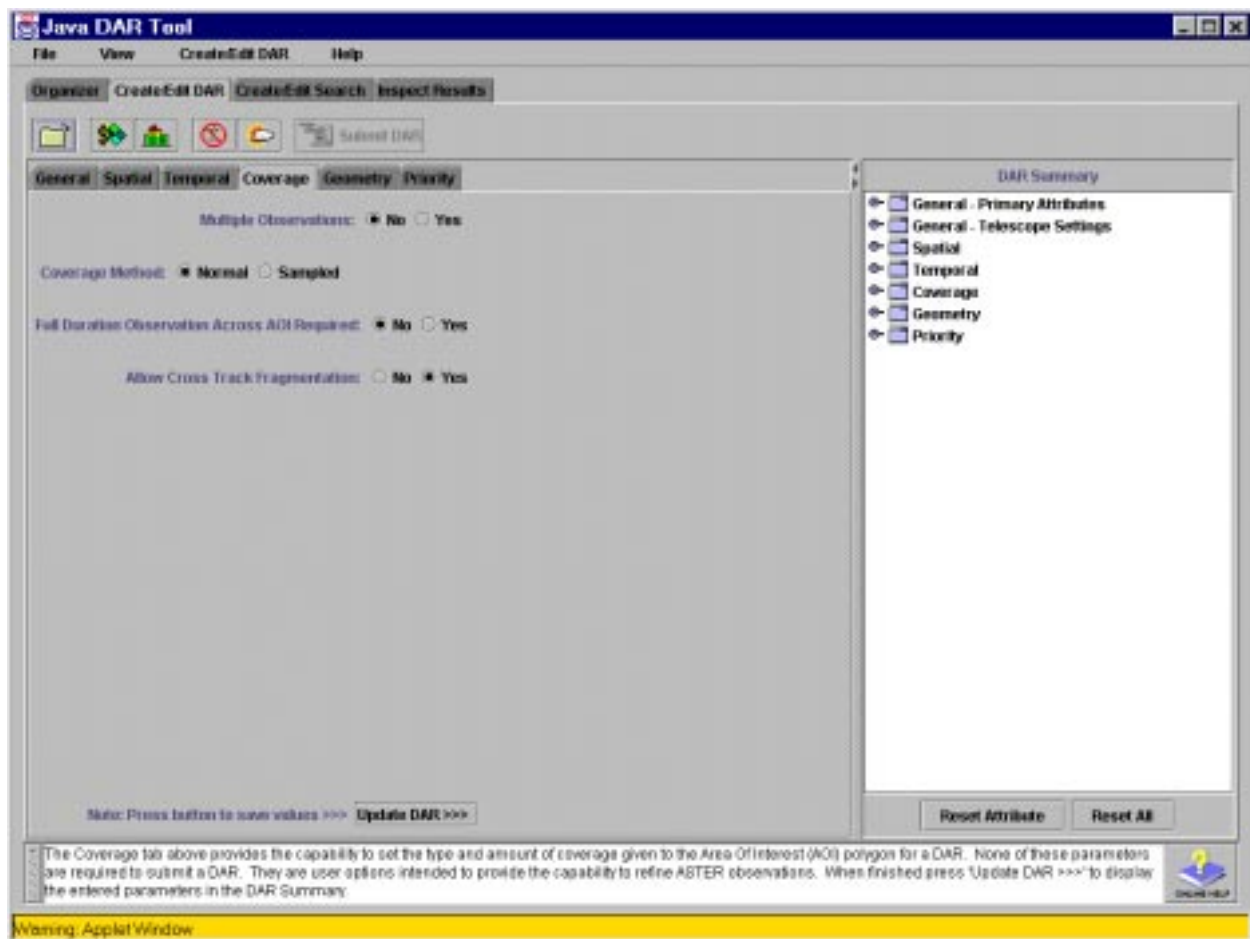
Figure 4.12.8-8.   Coverage Subtab within the Create/Edit DAR Tab

Table 4.12.8-4 describes the control and information fields on the **Coverage** subtab.

Table 4.12.8-4.   Control and Information Fields on the Coverage Subtab

Field Name	Data Type	Size	Entry	Description
Multiple Observations	Boolean	N/A	User Selected	Multiple Observation Specification
Spatial Coverage Method	Boolean	N/A	User Selected	Coverage Method to be associated with Spatial data
Minimum Sampled Length	Integer (Kilometers)	3	User Entered/ User Selected	Minimum Sampled Length
Maximum Sampled Length	Integer (Kilometers)	3	User Entered/ User Selected	Maximum Sampled Length
Number of Samples	Integer	3	User Entered/ User Selected	Number of Samples
Coverage Amount	Integer (Percentage)	3	User Entered/ User Selected	Coverage Amount 0%-100%
Required AOI Duration	Boolean	N/A	User Selected	Indicate whether or not full AOI Duration is required
Cross Track Fragmentation	Boolean	N/A	User Selected	Indicate whether Cross Track Fragmentation is allowed.

4.12.8.2.2.5 Geometry Subtab

The **Geometry** subtab shown in Figure 4.12.8-9 allows the user to enter look angles and sun angles using a variety of methods. There are no required entries for this tab. Selecting any look angle radio button setting results in the display of different look angle components. Similarly, selecting any sun angle radio button setting results in the display of a different sun angle component.
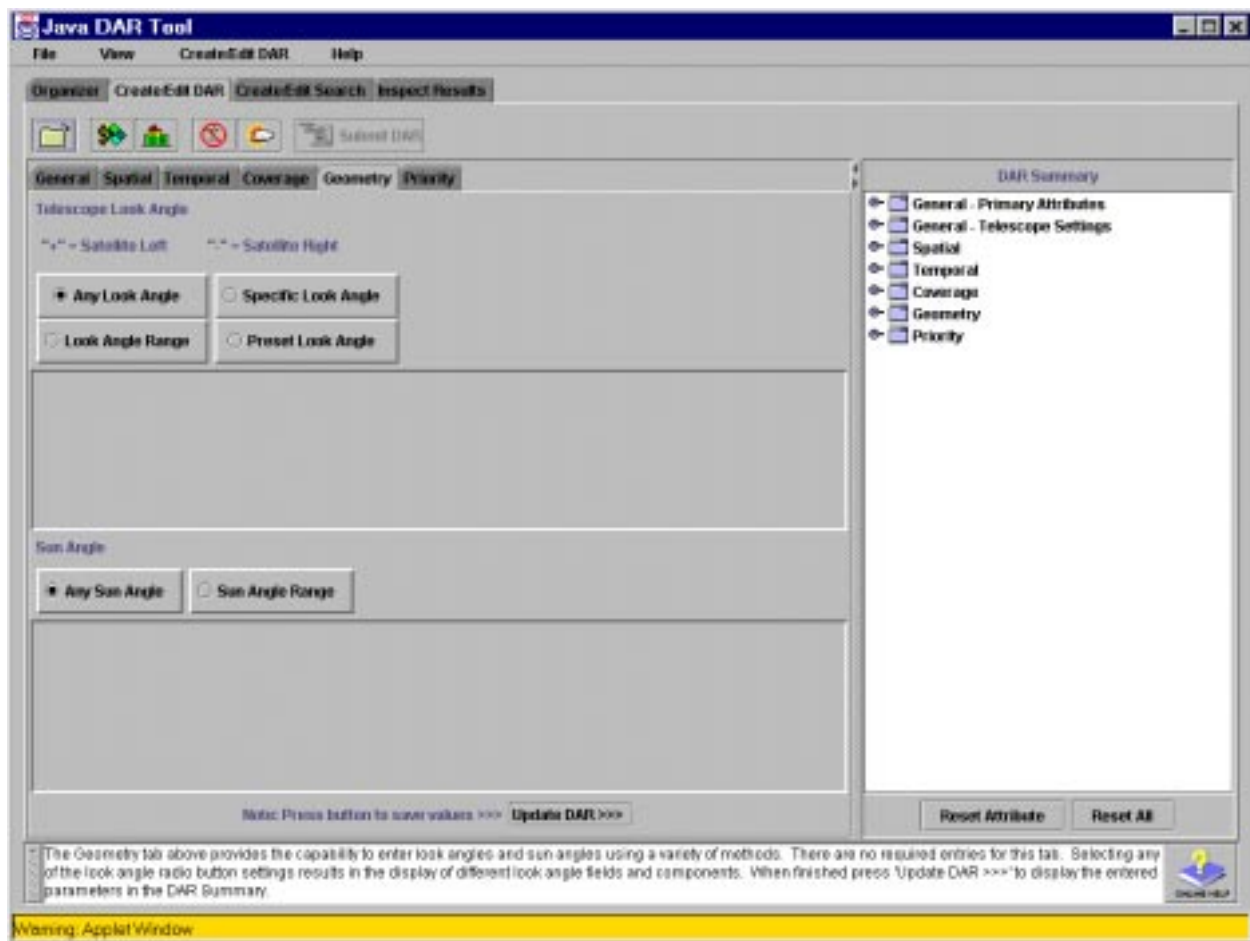
Figure 4.12.8-9.   Geometry Subtab of the Create/Edit DAR Tab

Figure 4.12.8-10 shows the Look Angle and Sun Angle Range Components on the Geometry Subtab display.
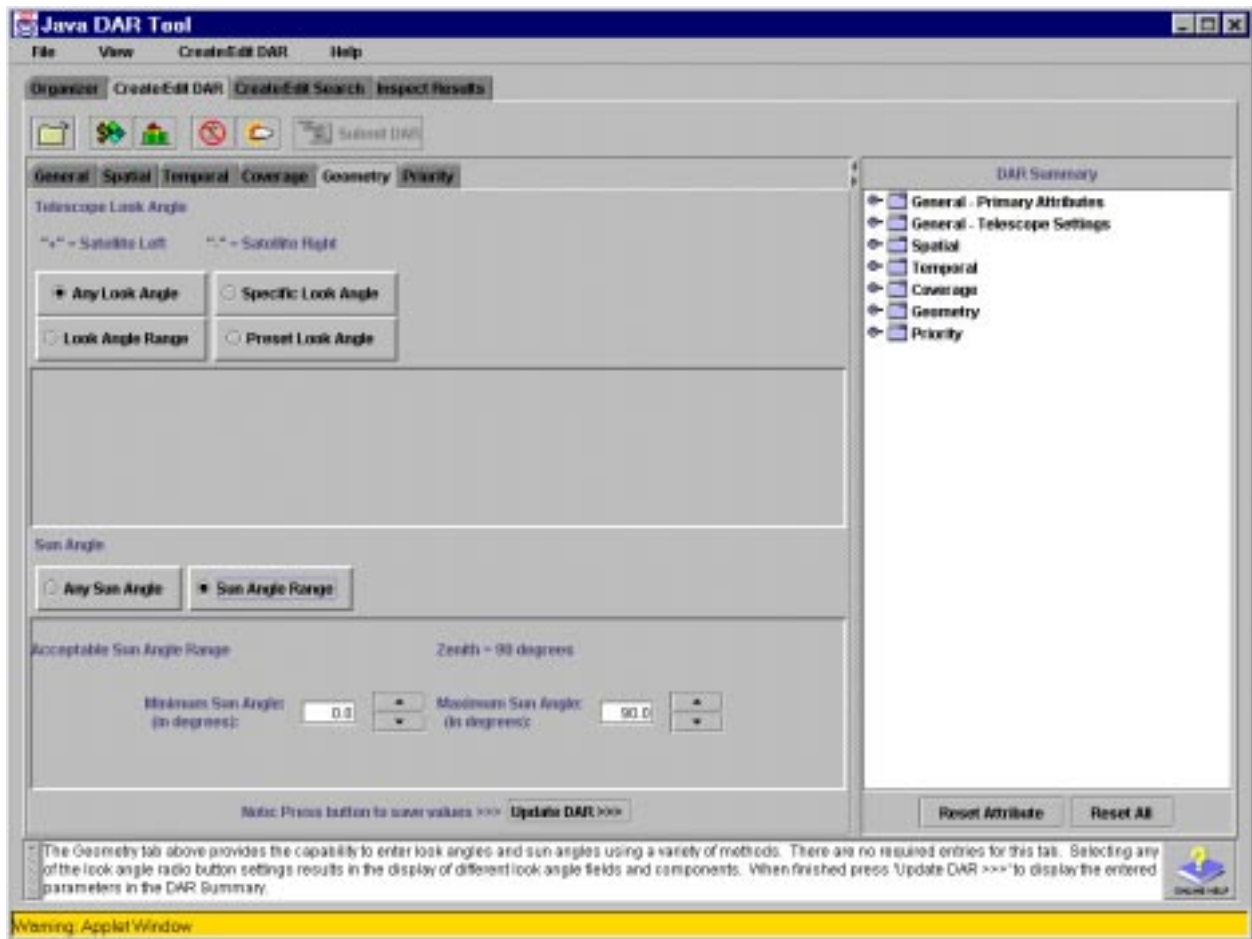

Figure 4.12.8-10. Look Angle and Sun Angle Range Components on the Geometry Subtab

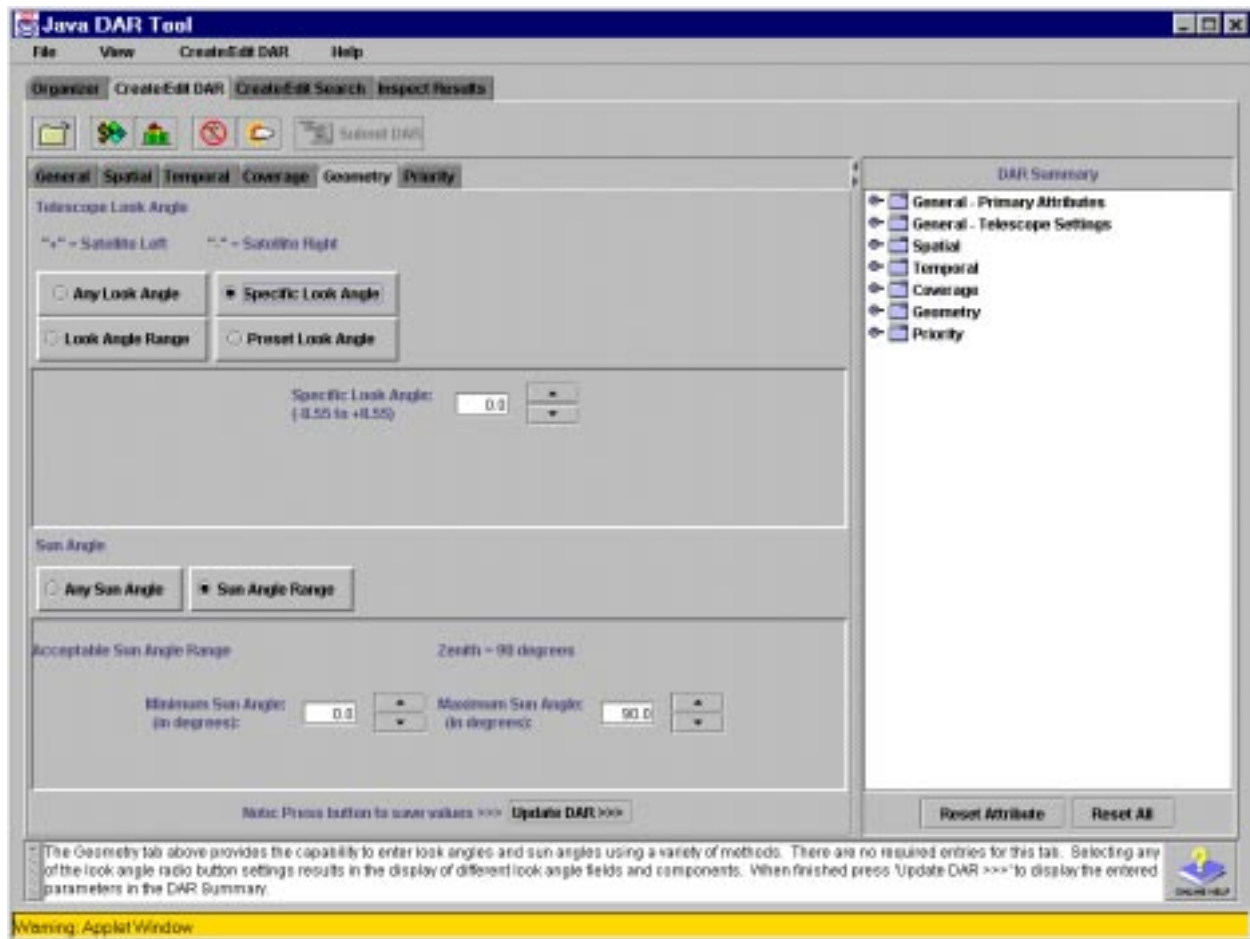Figure 4.12.8-11 shows the Specific Look Angle Component on the Geometry Subtab display.

Figure 4.12.8-11. Specific Look Angle Component on the Geometry Subtab

Figure 4.12.8-12 shows the Preset Look Angle Component on the Geometry Subtab display.
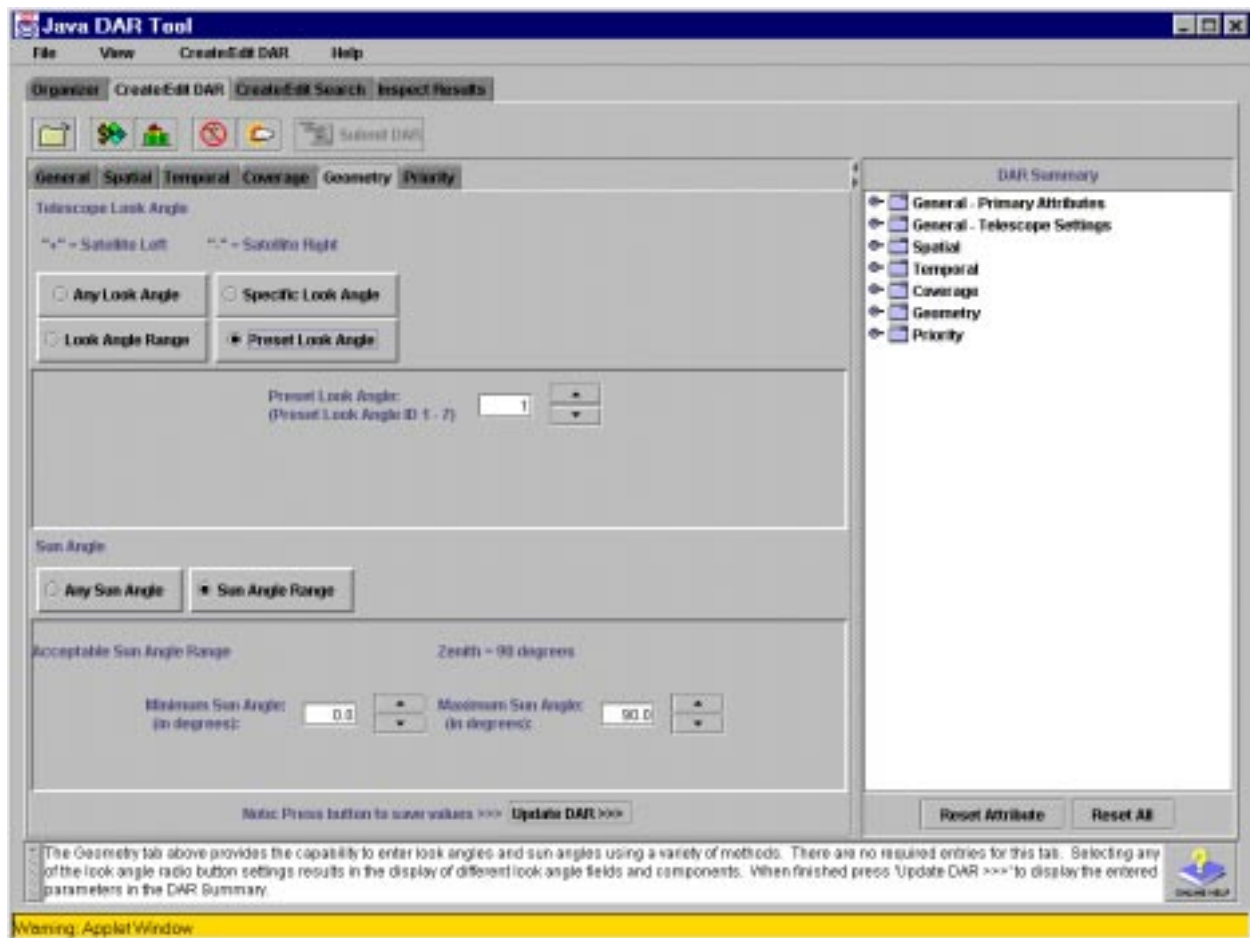

Figure 4.12.8-12. Preset Look Angle Component on the Geometry Subtab

Table 4.12.8-5 describes the control and information fields on the **Geometry** subtab.

Table 4.12.8-5. Control and Information Fields on Geometry Subtab (1 of 2)

Field Name	Data Type	Size	Entry	Description
Specific Look Angle	Double (degrees)	N/A	User Entered/ User Selected	Specific Look Angle. Optional. Value must be between 0.00 and 8.55.

Table 4.12.8-5. Control and Information Fields on Geometry Subtab (2 of 2)

Field Name	Data Type	Size	Entry	Description
Minimum Look Angle	Double (degrees)	N/A	User Entered/ User Selected	Minimum acceptable look angle. Optional. Value must be between 0.00 and 8.55.
Maximum Look Angle	Double (degrees)	N/A	User Entered/ User Selected	Maximum acceptable look angle. Optional. Value must be between 0.00 and 8.55.
Preset Look Angle	Integer	N/A	User Entered/ User Selected	Preset Look Angle. Option. View swath ID between 1 and 7.
Minimum Sun Angle	Double (degrees)	N/A	User Entered/ User Selected	Minimum acceptable sun angle. Optional. Value must be between 0.00 and 90.0.
Maximum Sun Angle	Double (degrees)	N/A	User Entered/ User Selected	Maximum acceptable sun angle. Optional. Value must be between 0.00 and 90.0.

- **Any Look Angle** – This button is the default look angle component selection. It indicates that ANY look angle may be associated with the current DAR.
- **Specific Look Angle** – When selected, the specific look angle component is displayed on the tab.
- **Look Angle Range** – When selected, the look angle range components are displayed on the tab.
- **Preset Look Angle** - When selected, the preset look angle component is displayed on the tab.
- **Any Sun Angle** – This button is the default sun angle component selection. It indicates that ANY sun angle may be associated with the current DAR.
- **Sun Angle Range** – When selected, the specific sun angle range component are displayed on the tab.
- **Up Arrow Button** – This button exists next to the look angle and sun angle components. Pressing this button allows the associated field to be incremented appropriately. Specifically, pressing the 'up arrow' next to the minimum look angle field, increments the angle by 0.5 degrees. Similarly, pressing the 'up arrow' button next to the minimum sun angle, increments the angle by 10 degrees.
- **Down Arrow Button** – This button exists next to the look angle and sun angle components. Pressing this button allows the associated field to be decremented appropriately. Specifically, pressing the 'down arrow' next to the minimum look angle field, decrements the angle by 0.5 degrees. Similarly, pressing the 'down arrow' button next to the minimum sun angle, decrements the angle by 10 degrees.

4.12.8.2.2.6 Priority Subtab

The **Priority** subtab shown in Figure 4.12.8-13 provides the user with the ability to set parameters that may affect the priority placed on a DAR.
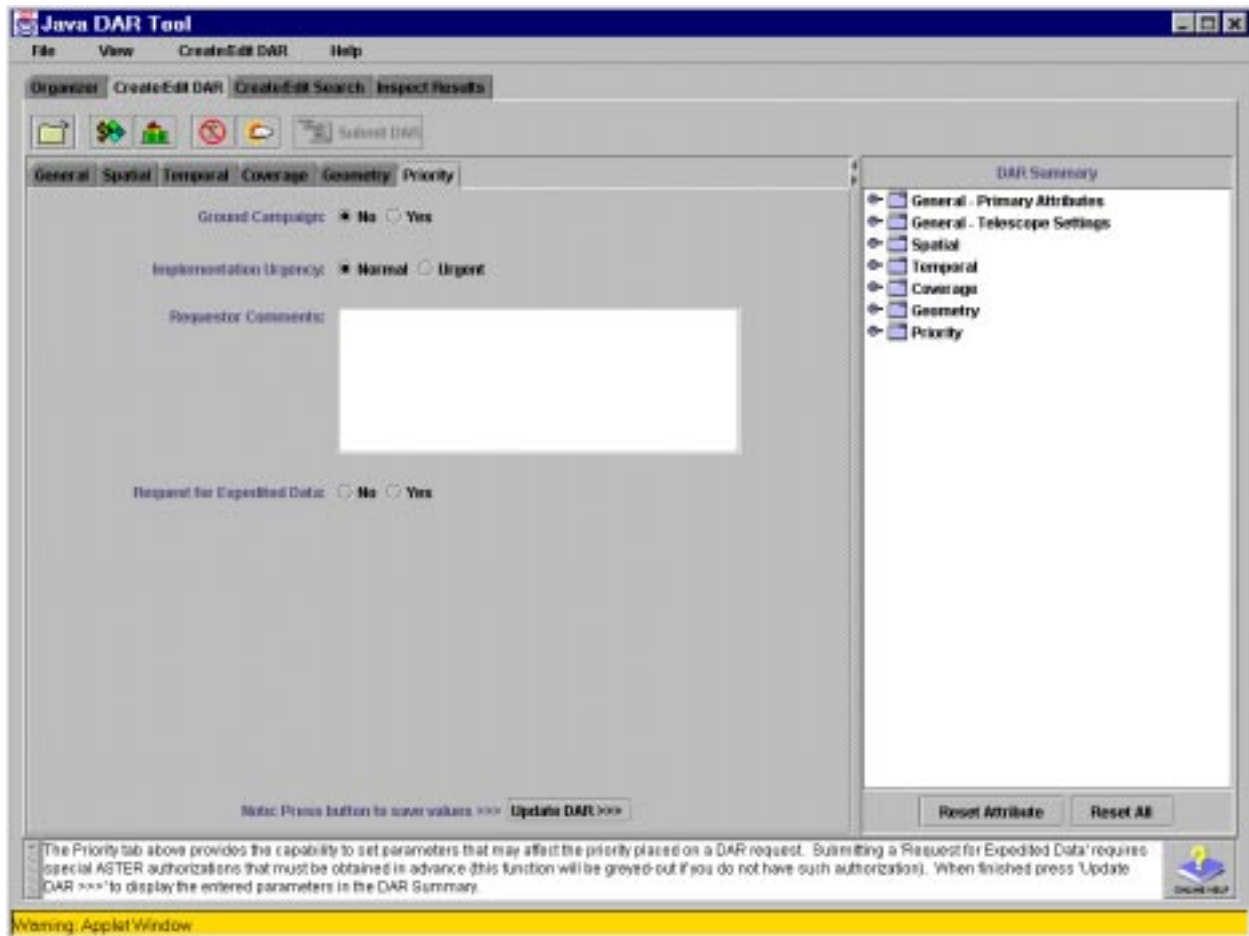

Figure 4.12.8-13.   Priority Subtab Within the Create/Edit DAR Tab

Table 4.12.8-6 describes the control and information fields on the **Priority** subtab.

Table 4.12.8-6. Control and Information Fields on the Priority Subtab

Field Name	Data Type	Size	Entry	Description
Ground Campaign	Boolean	N/A	User Selected	Specify whether or not a ground campaign is desired for a DAR
Implementation Urgency	Boolean	N/A	User Selected	Implementation Urgency Level: Normal or Urgent
Requestor Comments	String		User Entered	Comments. Optional.
Request for Expedited Data	Boolean	N/A	User Selected	Special Authorization Required. Specify this is a request for expedited data.
Justification for Expedited Data	String		User Entered	Provide justification for expedited data request.

4.12.8.2.3 Create/Edit Search Tab

From the **Create/Edit Search** tab shown in Figure 4.12.8-14, the user has access to all fields necessary or desirable to search for an existing XAR request in the XAR database in Japan.
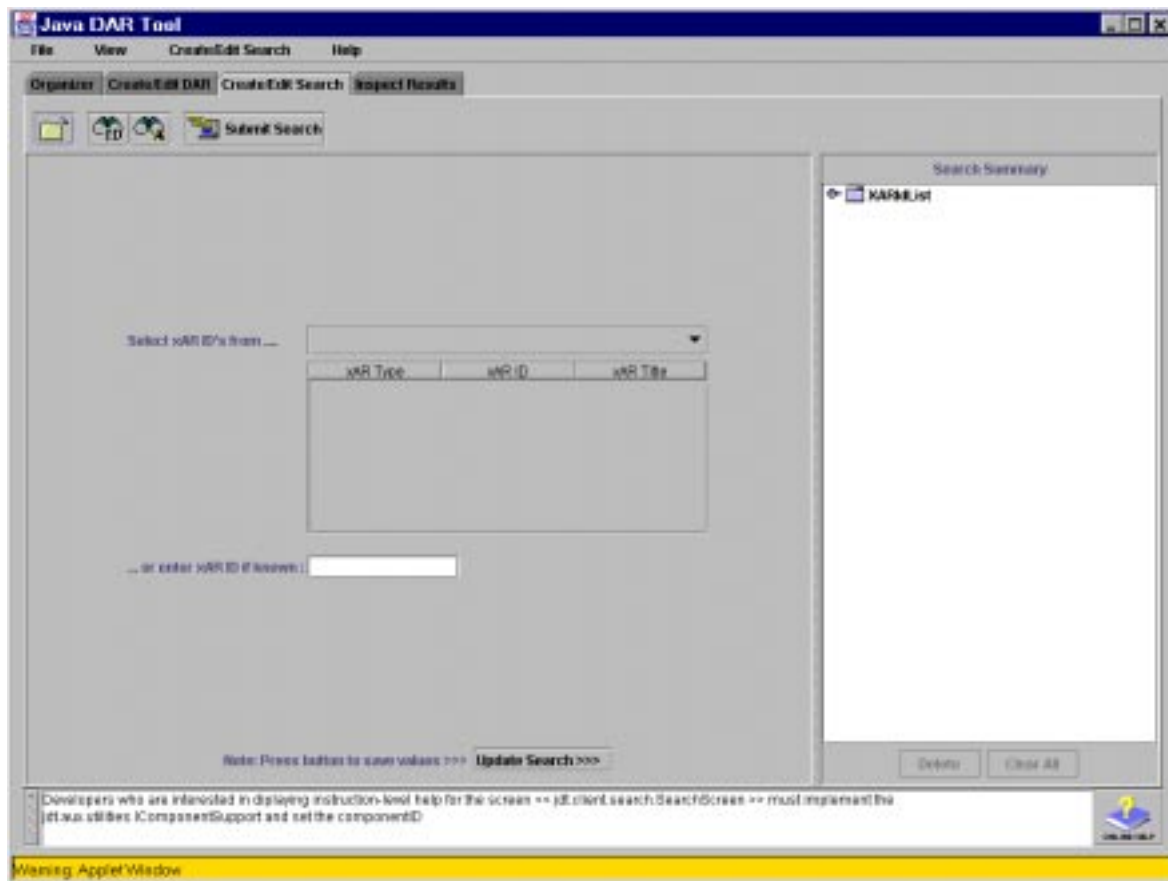

Figure 4.12.8-14. Search by xAR ID Subtab

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When the **Create/Edit Search** tab is selected, the **Create/Edit Search Menu** appears to the right of the **View Menu** on the main screen giving the user the ability to perform the following functions:

1) **Update a search**

2) **Submit a search**

3) **Set Search Mode**

There are screens through which a user must navigate in order to create or edit a xAR request. In addition, there are several additional functions available via popup windows.

An end user can search for XARs using the **Create and Edit Search** tab in two basic ways:

1) search for a XAR exclusively by its XAR identifier.

2) search using the same general parameters involved in the 'Submit DAR' process.

The seven tabs used to submit a DAR can be used to set the various XAR parameters.

The user follows a common search scenario on each tab, whether a user is searching by XAR ID, or by XAR attributes. First the user selects the parameters, and the values that they wish to search for. Next, the user clicks on the Update Search button to add his search criteria to the Search Summary table. Unlike the Submit DAR tabs, the Search tabs contain a Search Summary that displays the search parameters that the user has entered so far. Once the user has entered the search criteria they want, they click on the Submit Search button to send to search the XAR database for matching XARs.

Toolbar/Buttons

The **Create/Edit/Search** menu on the **Create/Edit/Search** tab toolbar offers the following functions to the user:

1) **Open Search** - Opens a search
2) **Search By ID** - takes user to Search by ID tab
3) **Search by Attribute** - takes user to Search by Attribute tab
4) **Submit search** - submits the search.

The buttons on the **Create/Edit/Search** tab offer the user the following functions.

1) **Update Search** - saves the search
2) **Reset Attribute** - resets the highlighted attribute to its default state
3) **Reset All** - resets all attributes to their default states

4.12.8.2.3.1 Search By XAR ID

 For a user to search by XAR ID, the user must select the **Search by XAR ID** screen by clicking on either the XAR ID icon, or the selection under the Create/Edit Search pull down menu. From the search by XAR ID screen, the user can either choose a XAR ID from one of the existing XAR IDs already located in the current folder, or by typing the XAR ID.

1) **Search by Attributes Results -** provides the list of search result sets.
2) **ID Icon -** displays the search by XAR ID component of the Create/Edit Search tab.

3) **A Icon -** displays the search by attributes component of the Create/Edit Search tab.
4) **Help** – provides Context-Sensitive Help for Creating/Editing a search for a XAR.
5) **Update Search** – adds one or more XAR Ids to the XAR ID list. The changes are reflected in the Search Summary Panel.
6) **Submit Search** – submits a newly created XAR search.
7) **Delete** – deletes the currently selected XAR ID from the XAR ID list. The changes are reflected in the Search Summary Panel.
8) **Clear All** – forces all XAR Ids to be deleted in the Search Summary Panel.

4.12.8.2.3.2 Search By Attributes

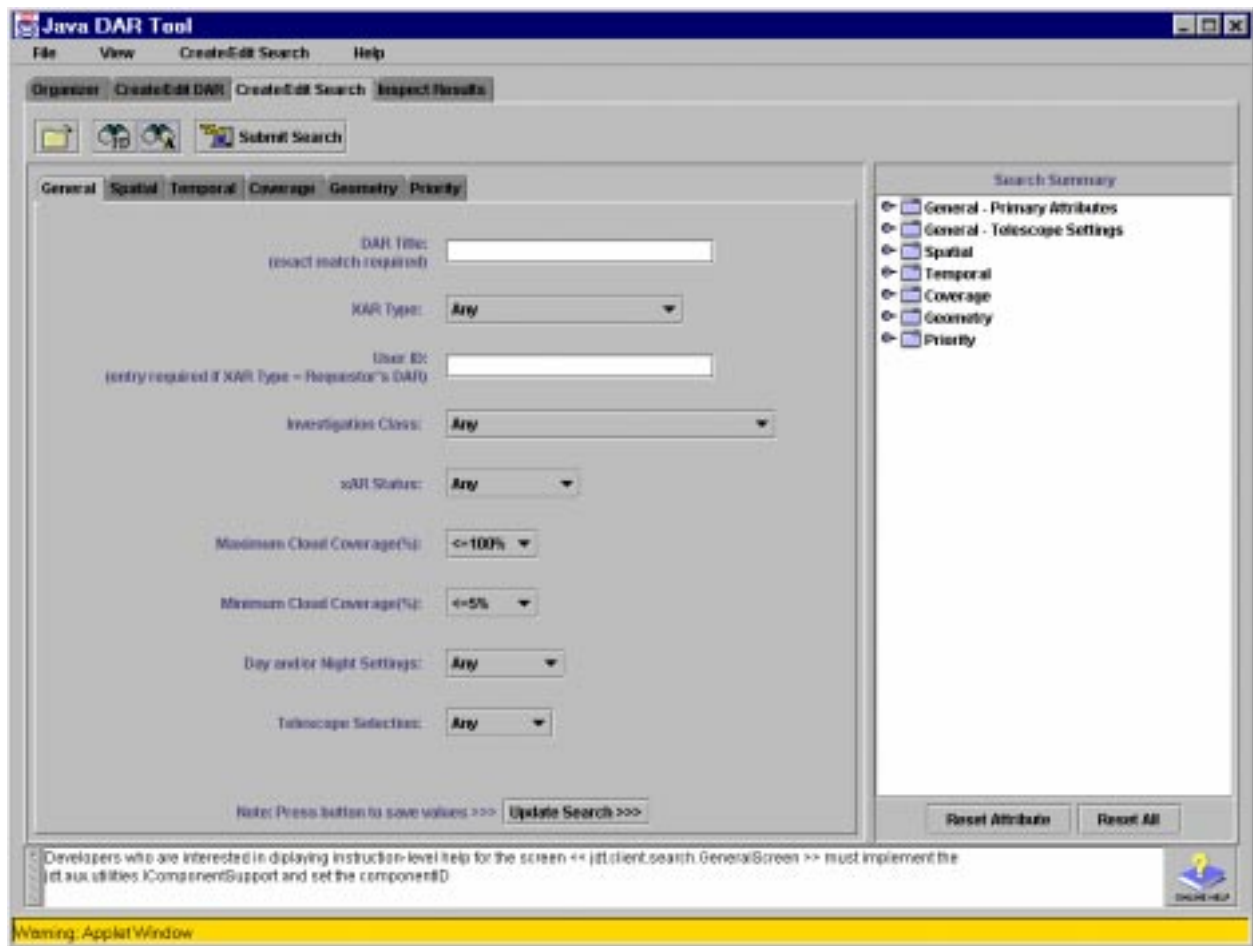The default subtab for the Create/Edit Search tab is the General subtab, shown in Figure 4.12.8-15.

Figure 4.12.8-15. Search By Attributes Subtab

4.12.8.2.3.3 General Subtab

The **General** subtab of the **Create/Edit Search** tab shown in Figure 4.12.8-16 allows users to enter characteristics of the DAR being sought after. In addition, it has buttons to allow the user to select Search by ID, Search by Attribute (a redundant option, if the user is already on this screen), Submit Search, or Update Search.

Figure 4.12.8-16.   General Subtab

Table 4.12.8-7 describes the control and information fields on the **General** subtab.

Table 4.12.8-7. Control and Information Fields on the General Subtab

Field Name	Data Type	Size	Entry	Description
DAR title	String	-	User Selected	Name of DAR being searched for
XAR Type	String	-	User Selected	Type of XAR being searched for.
User ID	String	-	User Selected	User Identification for owner of DARS being searched for.
Investigation Class	String	-	User Selected	Investigation Class being searched for.
xAR Status	String	-	User Selected	Status of xAR being searched for.
Maximum Cloud Coverage	String	-	User Selected	Maximum acceptable cloud coverage of xars being searched for
Minimum Cloud Coverage	String	-	User Selected	Minimum acceptable cloud coverage of xars being searched for,
Day and/or Night Settings	String	-	User Selected	Day or night settings for XAR being searched for.
Telescope Selections	String	-	User Selected	Telescope settings on XARS being searched for.

4.12.8.2.3.2.2 Spatial Subtab

Figure 4.12.8-17 shows the **Spatial Subtab** of the **Create/Edit Search** tab.

4.12.8-26   609-CD-510-002
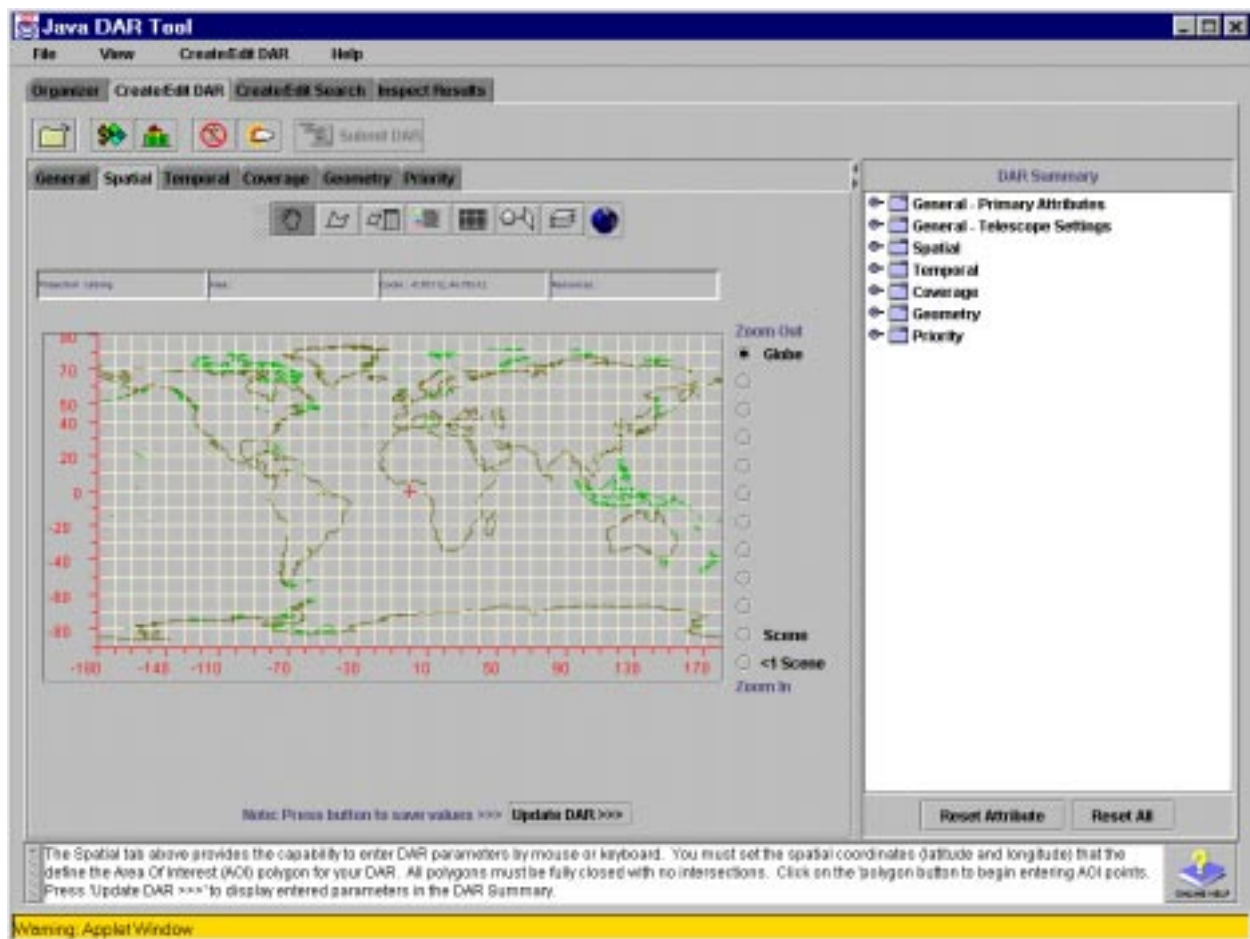
Figure 4.12.8-17. Spatial Subtab

- **Pan Map Mode** – displays a dialog which allows the user to reset the center point of the map
- **AOI Mode** – displays a dialog that the user may use to enter Latitude/Logitude Coordinates for the Area of Interest of the associated DAR.
- **View Coordinates –** Launches the Point Selection dialog.
- **View Map Legend –** Launches the map legend dialog.
- **Enable Map Grid –** Adds the map grid overlay to the spatial map.
- **Select Map Projections –** Launches the map projection dialog.
- **Select Map Overlays –** Launches the map overlay selection dialog.
- **Stop Map Update –** stops the map requests/processes.

4.12.8.2.3.2.3 Temporal Subtab

Figure 4.12.8-18 shows the **Temporal** subtab of the **Create/Edit Search** tab.
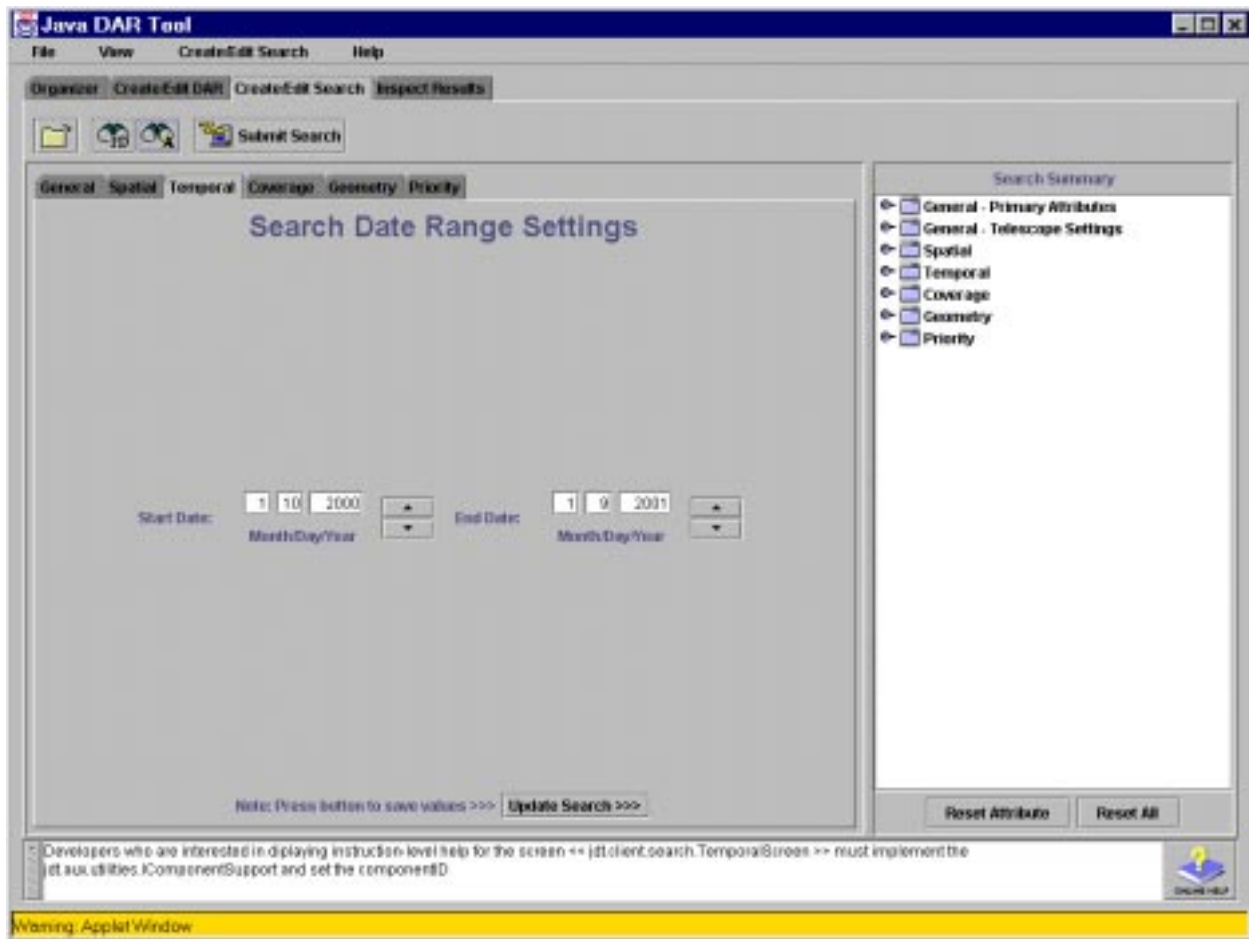

Figure 4.12.8-18. Temporal Subtab

Table 4.12.8-8 describes the control and information fields on the **Temporal** subtab.

Table 4.12.8-8.   Control and Information Fields on the Temporal Subtab

Field Name	Data Type	Size	Entry	Description
Start Date	Date Spinner	-	User selected	Date for start of observation in DARs being searched for.
End Date	Date Spinner	-	User Selected	Date for end of observation in DARs being searched for.

4.12.8.2.3.2.4 Coverage Subtab

Figure 4.12.8-19 shows the **Coverage** subtab within the **Create/Edit Search** tab.
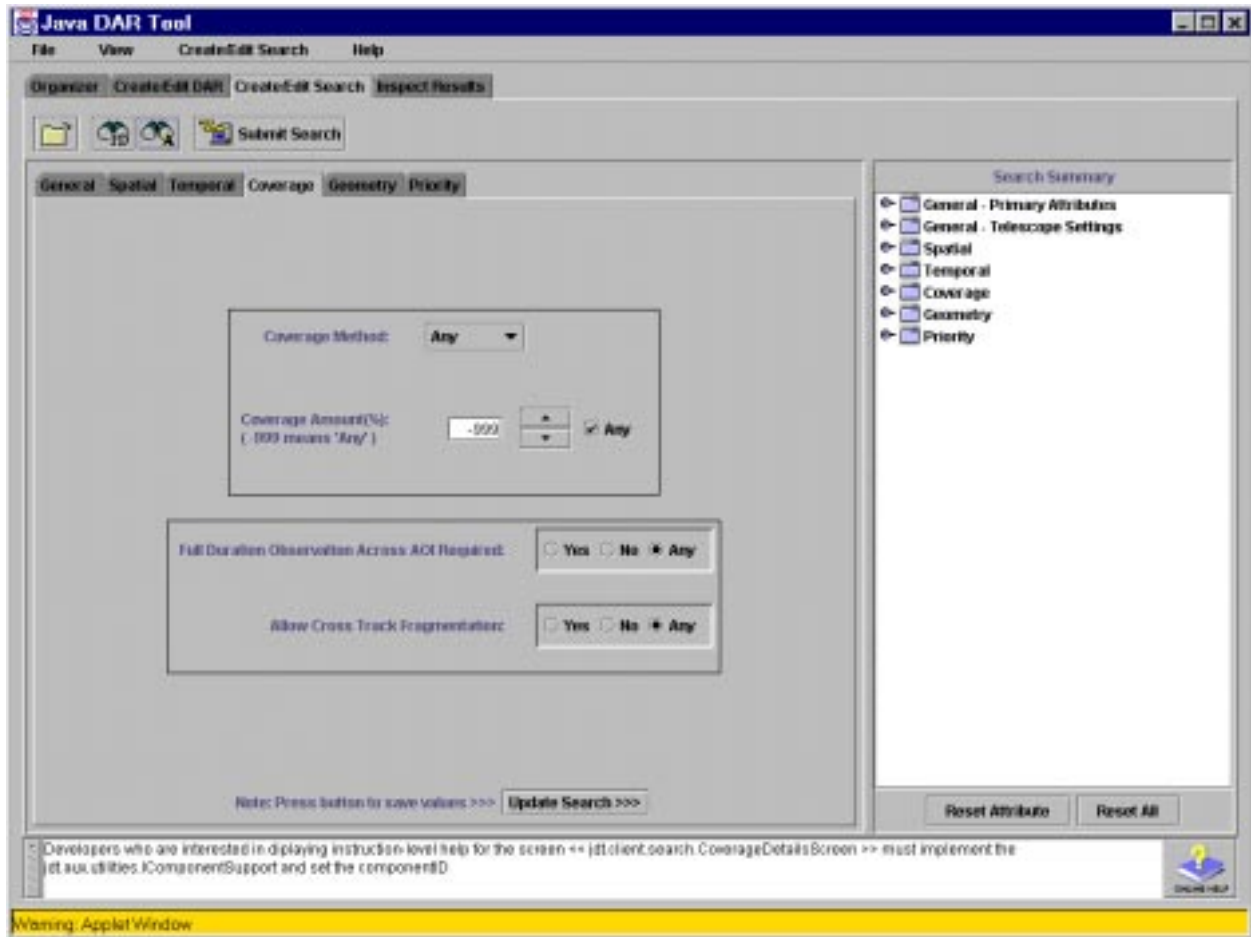

Figure 4.12.8-19.   Coverage Subtab

Table 4.12.8-9 describes the control and information fields on the **Coverage** subtab.

Table 4.12.8-9. Control and Information Fields on the Coverage Subtab

Field Name	Data Type	Size	Entry	Description
Coverage Method	String	-	User Selected	Select the coverage method in the DARs being searched for.
Coverage Amount (%)	Integer	3	User Selected	Percentage of coverage in DAR being searched for; -999 means 'any' amount.
Any box	Boolean	n/a	User selected	If the user clicks this box, the Converage Amount is set to –999 (any).
Full Duration Observation Across AOI Required	String	n/a	User selected	User can specify whether or not he is searching for Full Duration, or doesn't care.
Allow Cross Track Fragmentation	String	n/a	User selected	User can specify tool to search for DARs that do/don't allow cross-track fragmentation.

4.12.8.2.3.2.5 Geometry Subtab

Figure 4.12.8-20 shows the **Geometry** subtab within the **Create/Edit Search** tab.
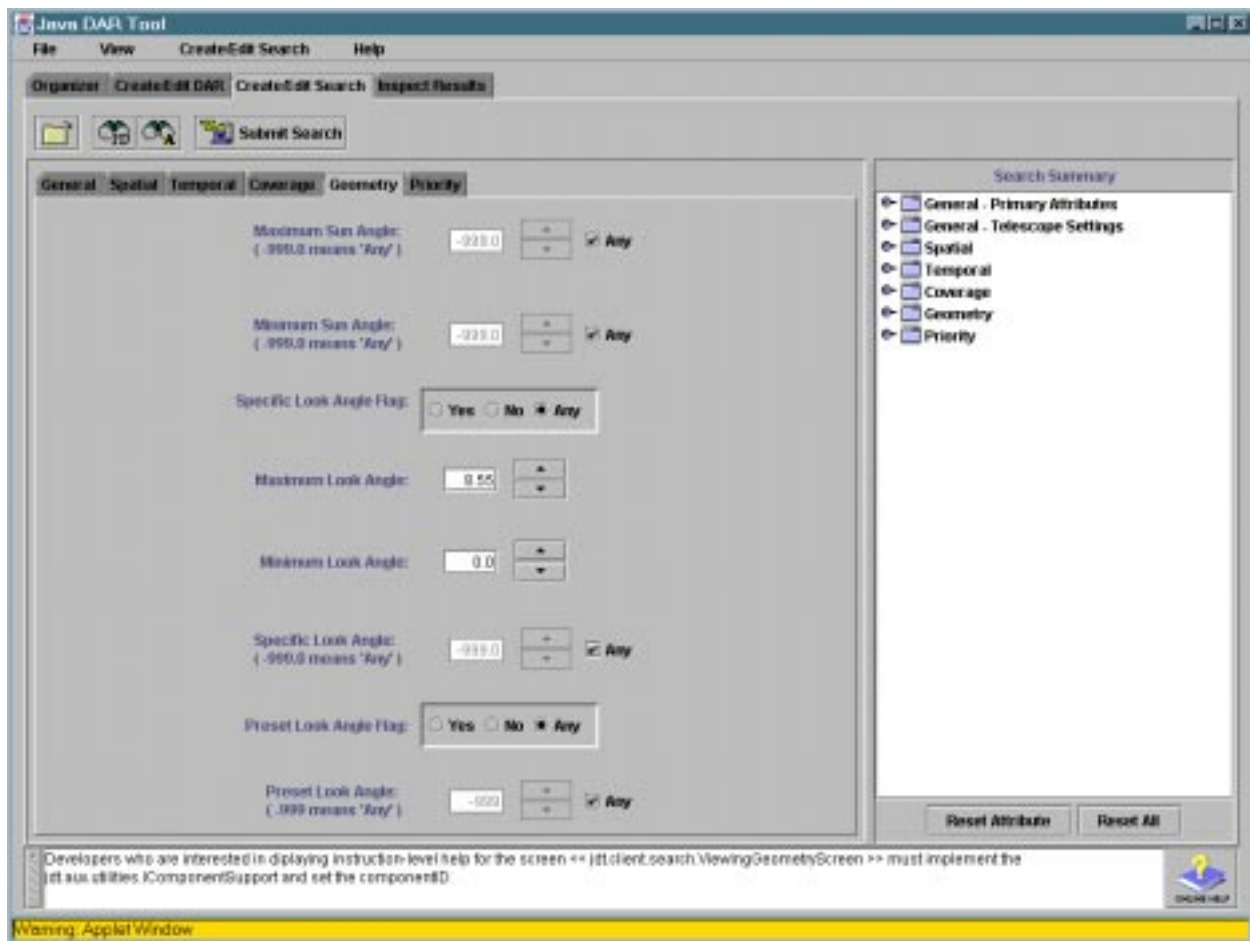
Figure 4.12.8-20.   Geometry Subtab

Table 4.12.8-10 describes the control and information fields on the **Geometry** subtab.

Table 4.12.8-10.   Control and Information Fields on the Geometry Subtab

Field Name	Data Type	Size	Entry	Description
Maximum Sun Angle	Double (degrees)	N/A	User Entered/ User Selected	Maximum acceptable sun angle. Optional. Value must be between 0.00 and 90.0.
Minimum Sun Angle	Double (degrees)	N/A	User Entered/ User Selected	Minimum acceptable sun angle. Optional. Value must be between 0.00 and 90.0.
Specific Look Angle Flag	Boolean	N/A	User Selected	Toggles Look angle to "Any"
Maximum Look Angle	Double (degrees)	N/A	User Entered/ User Selected	Maximum acceptable look angle. Optional. Value must be between 0.00 and 8.55.
Minimum Look Angle	Double (degrees)	N/A	User Entered/ User Selected	Minimum acceptable look angle. Optional. Value must be between 0.00 and 8.55.
Specific Look Angle	Double (degrees)	N/A	User Entered/ User Selected	Specific Look Angle. Optional. Value must be between 0.00 and 8.55.
Preset Look Angle Flag	Boolean	N/A	User Selected	Toggles Preset Look Angle to "Any."
Preset Look Angle	Integer	N/A	User Entered/ User Selected	Preset Look Angle. Option. View swath ID between 1 and 7.

4.12.8.2.3.2.6   Priority Subtab

Figure 4.12.8-21 shows the **Priority** subtab within the **Create/Edit Search** tab.
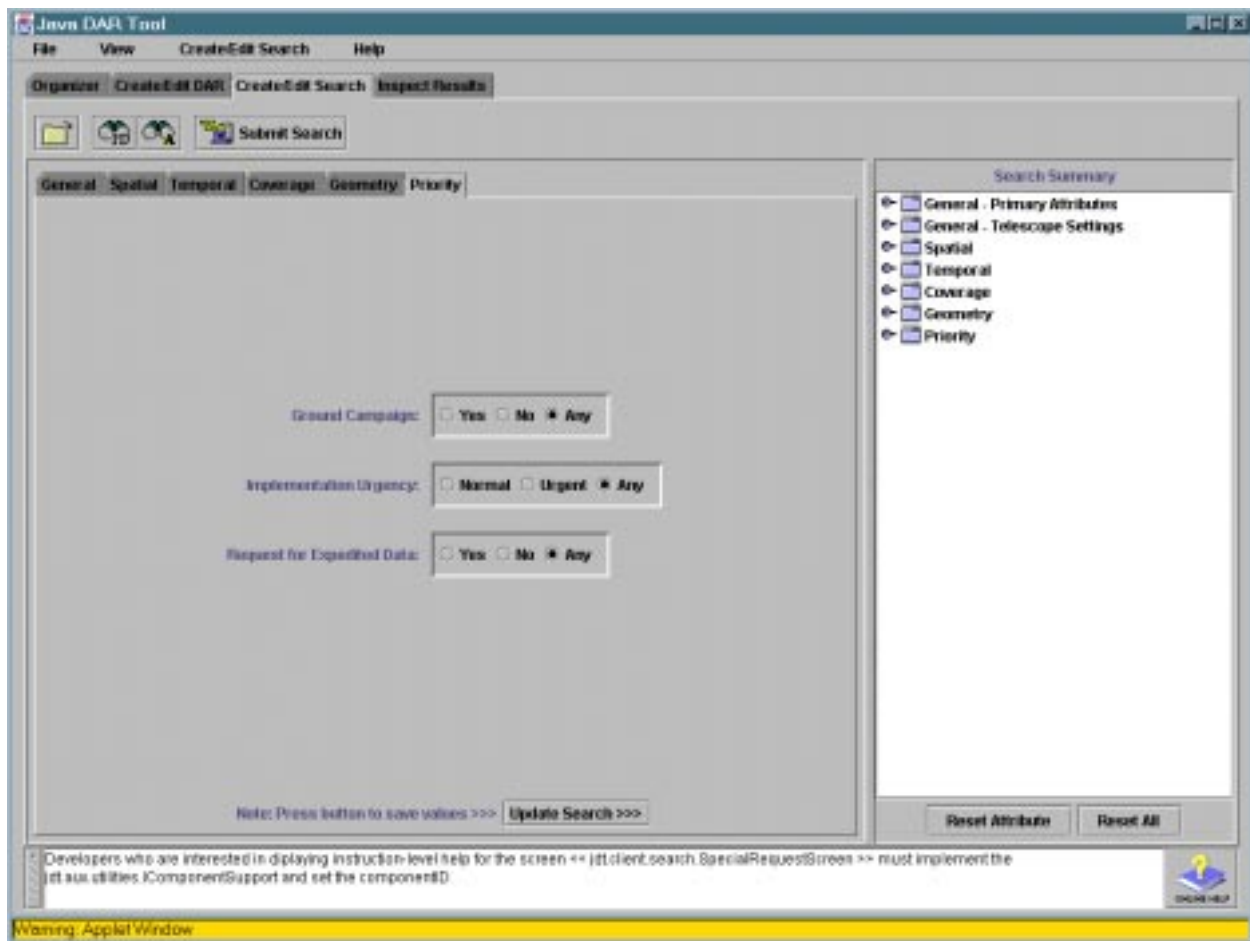
Figure 4.12.8-21. Priority Subtab

Table 4.12.8-11 describes the control and information fields on the **Priority** subtab.

Table 4.12.8-11. Control and Information Fields on the Priority Subtab

Field Name	Data Type	Size	Entry	Description
Ground Campaign	Boolean	N/A	User Selected	Specify whether or not a ground campaign is desired for a DAR
Implementation Urgency	Boolean	N/A	User Selected	Implementation Urgency Level: Normal or Urgent
Request for Expedited Data	Boolean	N/A	User Selected	Special Authorization Required. Specify this is a request for expedited data.

4.12.8.2.4 Inspect Results Tab

The **Inspect Results** tab allows the user to view search results. When a user performs a search, the search results come back from ASTER GDS in the form of one-to-many xARs as shown in Figure 4.12.8-22. Each xAR is displayed as a set of parameters. The whole result set (all the xARs that make up the result) are in a table which is nested inside of a result tab. The result tab has the name of the result as well as the folder name to which the result belongs (this relationship is also visible on the JDT Organizer tab).

Figure 4.12.8-22. Inspect Results Tab

A result table is actually displayed as two adjoining tables, but scroll in conjunction with each other when the user scrolls in the up/down direction. The table on the left contains the row number, the xAR Title, and xAR ID. The table on the right shows all the other parameters associated with the xAR. The right-hand side table has a header that groups the parameters into manageable chunks. These groupings divide all the xAR parameters into logical groups that can be collapsed and expanded at the click of the mouse button. Therefore, to temporarily "hide" a logical grouping of parameters, click on the group name, thereby collapsing it into an icon which is displayed in the

same location as the previously displayed group name. All the parameter groupings as well as all the parameters within a group are shown in Table 4.12.8-12.

The parameter groupings in the right-hand table scroll horizontally thus providing access to all the logical groupings and the parameters within them for each xAR in the results table.

The table also provides the user the ability to sort the whole table based on any given xAR parameter. To sort, click on the column heading to sort on. This will sort in ascending order. To sort in descending order, click the column heading again.

The results table allows the user to select one or multiple rows of xARs. By doing so, the user enables functions that allow viewing the xARs selected in a number of ways:

The first function, "**View Acquired Scenes Textually**", allows the user to see the scene textual information associated with the specific xAR selected in the results table. To invoke the **View Acquired Scenes** textual display shown in Figure 4.12.8-23, select the "**View Acquired Scenes Textually**" function from the "**Inspect Results**" pulldown menu or click on the **Inspect Results** button on the toolbar. The textual scene information then appears in a table nested within a popup dialog. The textual scene information contained in the table includes such things as Scene ID, Scene Status, and Scenes boundary coordinates.

View Acquired Scenes

Number of Sare...	Scene ID	Scene Status	Center DayTime	Path	Row	View	Look Angle	Granule ID	Left User Coor
	300101	Failed	Apr 25 199...	12	45	IxID1	6.0	300101	-0.07, 51.48
	300102	Observed	Apr 25 199...	12	45	IxID1	6.0	300102	0.43, 51.48
	300103	In Producti...	Apr 25 199...	12	45	IxID1	6.0	300103	0.93, 51.48
	300201	Failed	Apr 25 199...	12	45	IxID1	6.0	300201	-0.07, 52.98
	300202	Before Obs...	Apr 25 199...	12	45	IxID1	6.0	300202	0.43, 52.98
	300203	In Producti...	Apr 25 199...	12	45	IxID1	6.0	300203	0.93, 52.98
	300204	Before Obs...	Apr 25 199...	12	45	IxID1	6.0	300204	1.43, 52.98
	300205	In Producti...	Apr 25 199...	12	45	IxID1	6.0	300205	1.93, 52.98
	300301	Observed	Apr 25 199...	12	45	IxID1	6.0	300301	-0.07, 54.48
	300302	In Producti...	Apr 25 199...	12	45	IxID1	6.0	300302	0.43, 54.48
	300303	Failed	Apr 25 199...	12	45	IxID1	6.0	300303	0.93, 54.48
	300304	In Producti...	Apr 25 199...	12	45	IxID1	6.0	300304	1.43, 54.48
	300305	Before Obs...	Dec 25 19...	12	45	IxID1	6.0	300305	1.93, 54.48

Dismiss Help

Warning: Applet Window

Figure 4.12.8-23.   Acquired Scenes Textual Dialog

The second function, "**View Acquired Scenes Graphically**", allows the user to see all the scenes associated with the xAR selected in the results table, in a graphical fashion, on a popup dialog. Note that in order to enable this function, the user must highlight only one xAR from the results table. Then, select the "**View Acquired Scenes Graphically**" function from the "**Inspect Results**" pulldown menu or click on the button on the Inspect Results tab's toolbar. A popup dialog will appear. Unlike the "View Acquired Scenes Textually" function, this dialog

shows the user on a graphical spatial map (like the one used in the Create/Edit DAR & Create/Edit Search tabs) all the scenes taken by the ASTER platform for the xAR selected, shown as square areas on the map. The selected xAR's Area of Interest is displayed as a polygon on the map for reference. In addition, the Area of Search, as specified by the user during their search submittal (if a search by attributes was performed), is displayed as a minimum bounding rectangle on the map for reference. This dialog will be described further in Section 4.12.8.2.4.1 .

The third function, "**View AOS/AOI**", allows the user to see the xAR's Area of Interest (AOI), within the user's selected Area of Search (AOS), for all xAR(s) selected in the results table. Note that in order to enable this function, the user must highlight one or many xARs from the results table. Then, the user must select the "**View AOS/AOI**" function from the "**Inspect Results**" pulldown menu or click on the button on the Inspect Results tab's toolbar. A popup dialog will appear. Similar to the "View Acquired Scenes Graphically" function, this dialog shows the user on a graphical spatial map, all the Areas of Interest for the xAR(s) selected (one AOI per xAR), and the Area of Search the user selected, shown as polygons on the map. This dialog is described further in Section 4.12.8.2.4.2.

The fourth function, "**Display Search Parameters**", allows the user to view the search parameters which produced the Search Results currently being viewed. Therefore, a result set must be loaded into the Inspect Results tab in order for this option to be enabled. Then, the user must select the "**Display Search Parameters**" function from the "**Inspect Results**" pulldown menu or click the button on the **Inspect Results** tab's toolbar. *Note, the selection of a xAR from the results list is not necessary for this option, as the search parameters are associated with all the xARs in the result set.* Another browser window will appear, with the search parameters displayed in it.

The fifth and last function, "**Copy to New DAR**", allows the user to create a template DAR, using the parameters from one xAR in the results list. The copied DAR can then be used as the user's own DAR, and he may submit this DAR to ASTER GDS. Note that in order to enable this function, the user must highlight only one xAR from the results table. Then, the user must select the "**Copy to New DAR**" function from the "**Inspect Results**" pulldown menu, or click the button on the **Inspect Results** tab's toolbar. A popup **Copy** dialog will appear. This dialog allows the user to select the title (name) of the new template DAR, as well as the folder in which the DAR will reside on the Organizer Screen. Click the **"ok"** button to copy the xAR. The copied xAR will now appear in the **Organizer** tab, and the user can manipulate it further by opening the copied xAR.

Menu/Toolbar Functions

The **Inspect Results Menu** gives the user the ability to perform the following functions:
1) **View Acquired Scenes Graphically** allows the user to display the scenes for this xAR on a graphical map display (after first highlighting only one xAR on the Inspect Results Screen).
2) **View Acquired Scenes Textually** allows the user to display the scenes textual information for this xAR on a graphical map display (after first highlighting only one xAR on the Inspect Results Screen).
3) **View AOI/AOS** allows the user to display the scenes for this xAR on a graphical map display (after first highlighting one or many xAR(s) on the Inspect Results Screen).

4) **Display Search Parameters** allows the user to view the search parameters that produced the results displayed results in a browser window.
5) **Copy to New DAR** allows the user to copy a xAR displayed on the Inspect Results screen to a new DAR that the user can use for future submittal (after first highlighting only one xAR on the Inspect Results Screen).

The JDT **Inspect Results** tab also contains a tool bar. It includes all functions that are germane to the Inspect Results tab, and provides an alternate means of invoking each of those options available in the Inspect Results pulldown menu.

Table 4.12.8-13 describes the fields displayed on the Inspect Results tab.

Table 4.12.8-12. Fields Displayed on the Inspect Results Tab (1 of 3)

Group Name	Field Name	Data Type	Size	Entry	Description
xAR Status	xAR Status	string	-	N/A	ASTER's status of submitted xAR
	Submit DayTime	Date/time	-	N/A	Time xAR was submitted to ASTER
	Modification DayTime	Date/time	-	N/A	Time xAR was modified and submitted to ASTER
	xAR Active User	Boolean	-	N/A	Flag indicating whether xAR is Active or not
	xAR Active SSSG	Boolean	-	N/A	Flag indicating whether STAR is Active or not
	User ID	String	-	N/A	User's login ID
Primary Attributes	Investigation Class	String	-	N/A	Investigation class for xAR
	Scientific Objective	String	-	N/A	Scientific goal tied to the creation of xAR
	Day/Night	String	-	N/A	Range of day desired
	Maximum Cloud Coverage	Integer	-	N/A	Maximum cloud coverage percentage desired
	Minimum Cloud Coverage	Integer	-	N/A	Minimum cloud coverage percentage desired
	GDS User Flag	String	-	N/A	Flag indicating user's group affiliation (ECS or GDS)
	Avoid Clouds Flag	Boolean	-	N/A	Flag indicating user's choice for determining when ASTER scenes are acquired
	xAR Lifetime Start DayTime	Date/time	-	N/A	Start time of scene acquisition
	xAR Lifetime End DayTime	Date/time	-	N/A	Stop time of scene acquisition
	Acquisition Window Day	Integer	-	N/A	Duration (in days) for AW

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Table 4.12.8-12. Fields Displayed on the Inspect Results Tab (2 of 3)

Group Name	Field Name	Data Type	Size	Entry	Description
	Acquisition Window Time	Time	-	N/A	Duration (in HH:MM:SS) for AW
	Acquisition Window Repeat Cycle Day	Integer	-	N/A	Duration (in days) for the Repeat Interval
	Acquisition Window Repeat Cycle Time	Time	-	N/A	Duration (in HH:MM:SS) for the Repeat Interval
Coverage Details Settings	Multiple Observation	Boolean	-	N/A	Flag indicating whether the user wants multiple scenes taken of the same spatial area
	Coverage Method	String	-	N/A	Flag indicating the spatial coverage area selected by user (sampled or not)
	Minimum Sample Length	Integer	-	N/A	If Coverage Method is sampled, provide minimum sample length in scenes
	Maximum Sample Length	Integer	-	N/A	If Coverage Method is sampled, provide maximum sample length in scenes
	Number of Samples	Integer	-	N/A	If Coverage Method is sampled, provide minimum sample length in scenes
	Coverage Amount Required	Integer	-	N/A	If Coverage Method is sampled, provide % spatial coverage amount required
	Allow Cross Track Fragmentation	Boolean	-	N/A	Indicate whether Cross Track Fragmentation is allowed.
	Require Full Duration Observation	Boolean	-	N/A	Indicate whether or not full AOI Duration is required
Viewing Geometry Setting	Any Sun Angle Flag	Boolean	-	N/A	Flag indicating that sun angle can be set to any value
	Minimum Sun Angle	Double	-	N/A	Minimum acceptable sun angle. Optional. Value must be between 0.00 and 90.0.
	Maximum Sun Angle	Double	-	N/A	Maximum acceptable sun angle. Optional. Value must be between 0.00 and 90.0.
	Any Look Angle Flag	Boolean	-	N/A	Flag indicating that look angle can be set to any value
	Absolute Flag	Boolean	-	N/A	Flag indicating the "+/-" sign associated with look angle has been set

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Table 4.12.8-12.   Fields Displayed on the Inspect Results Tab (3 of 3)

Group Name	Field Name	Data Type	Size	Entry	Description
	Minimum Look Angle	Double	-	N/A	Minimum acceptable look angle. Optional. Value must be between 0.00 and 8.55.
	Maximum Look Angle	Double	-	N/A	Maximum acceptable look angle. Optional. Value must be between 0.00 and 8.55.
	Specific Look Angle Flag	Boolean	-	N/A	Flag indicating that a specific look angle is desired
	Look Angle	Double	-	N/A	Specific acceptable look angle. Optional. Value must be between 0.00 and 8.55.
	Specific View Swath Flag	Boolean	-	N/A	Flag indicating that a present look angle is needed.
	Specific View Swath ID	Integer	-	N/A	Preset Look Angle. Optional. View swath ID between 1 and 7.
Special Request Setting	Expedited Data Flag	Boolean	-	N/A	Flag indicating that data should be expedited by ASTER GDS
	Ground Campaign	Boolean	-	N/A	Flag indicating whether or not spatial area is being investigated while scenes are being acquired.
	Implementation Urgency	String	-	N/A	Flag indicating urgency of scene acquisition
Spatial Setting	Number of Polygon Points	Integer	-	N/A	Number of polygon points in the spatial area requested.
	Spatial Coordinates	Double	-	N/A	Polygon points for the spatial area requested.
Telescope Setting	Instrument Mode	String	-	N/A	Specifies which telescopes will be used for scene acquisition
	VNIR Bands 1-3 Gain Settings	String	-	N/A	Visible and Near Infrared Band settings desired
	SWIR Bands 4-9 Gain Settings	String	-	N/A	Short Wave Infrared Telescope settings desired

4.12.8.2.4.1 Acquired Scenes Graphical Dialog

The function, "**View Acquired Scenes Graphically**", allows the user to see in graphical fashion on a popup dialog as shown in Figure 4.12.8-24 all the scenes associated with the xAR selected in the results table. Note that in order to enable this function, one must highlight only one xAR from the results table. Then, select the "**View Acquired Scenes Graphically**" function from either the "Inspect Results" pulldown menu, or from the Inspect Results tab toolbar. A popup dialog will appear. Unlike the "View Acquired Scenes Textually" function, this dialog shows the user on a graphical spatial map (like the one used in the Create/Edit DAR & Create/Edit Search tabs) all the scenes taken by the ASTER platform for the xAR selected, shown as square areas on

the map. The selected xAR's Area of Interest is displayed as a polygon on the map for reference. In addition, the Area of Search, as specified by the user during their search submittal (if a search by attributes was performed), is displayed as a minimum bounding rectangle on the map for reference.

The operation of the spatial map has been described in previous sections of this document, and will therefore not be discussed in great detail here.

Below the map shown in Figure 4.12.8-24 is a table with individual scenes appearing as rows. This "Scenes table" contains two columns, **Scene ID**, and **Scene Status**. The **Scene ID** is the ID that ASTER GDS has given the scene, to uniquely identify it. The **Scene Status** is the status of the scene that tells how far the scene acquisition process has progressed. A user may select one or many rows from the scene table, which will then highlight on the map, all the scenes selected in the Scenes table. Note that on the spatial map, each scene is divided into four quadrants. Each quadrant is marked as "failed" by a hash mark pattern in the quadrant, or "passed", by a clear quadrant. The success or failure of a scene is dependent upon whether or not the scene achieved the Cloud Coverage Criterion that the user specified during their xAR submittal. **The Cloud Coverage Criterion** appears as a text box to the left of the map, and is simply a percentage. For a scene to "pass" it must have a cloud coverage less than that selected by the user in the **Cloud Coverage Criterion** text box; otherwise it "fails".
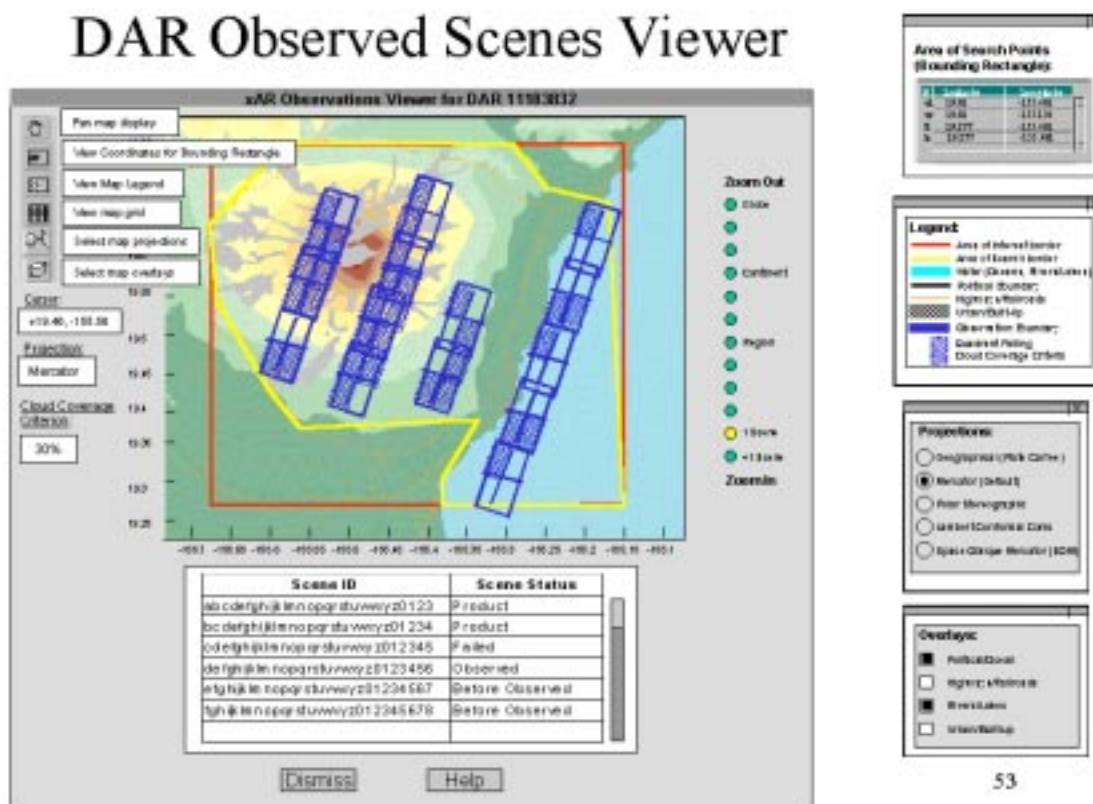

Figure 4.12.8-24. Acquired Scenes Graphical Dialog

The Acquired Scenes Graphical Dialog also contains a tool bar. The tool bar includes all functions that control the spatial map. The functions available on the Acquired Scenes Graphical Dialog are as follows:

1) **Pan Map Mode** – displays a dialog that allows the user to reset the center point of the map.

2) **AOI Mode** – displays a dialog that the user may use to enter Latitude/Longitude Coordinates for the Area of Interest of the associated DAR.

3) **View Coordinates** – Launches the Point Selection dialog

4) **View Map Legend –** Launches the map legend dialog.

5) **Enable Map Grid –** Adds the map grid overlay to the spatial map.

6) **Select Map Projections –** Launches the map projection dialog.

7) **Select Map Overlays -** Launches the map overlay selection dialog.

8) **Stop Map Update –** Stop the map requests/processes

9) **Cursor Text Box –** Shows the current position of the mouse in Lat/Long.

10) **Projection Text Box –** Show the map's current projection setting.

11) **Cloud Coverage Criterion –** Shows the maximum cloud coverage the user selected for their xAR submittal.

12) **Scenes Table –** Shows in tablular format all the scenes visible on the map, their scene ID, and scene status.

13) **Dismiss –** Closes the window.

14) **Help -** Provides help for the Acquired Scene Graphical Dialog.

4.12.8.2.4.2   AOI/AOS Dialog

The **View AOS/AOI** dialog shown in Figure 4.12.8-25 allows the user to see the xAR's Area of Interest (AOI) within a selected Area of Search (AOS) for all xAR(s) selected in the results table. Note that in order to enable this function, the user must highlight one or many xARs in the results table. Then select the "View AOS/AOI" function from either the "Inspect Results" pulldown menu or click the button on the Inspect Results tab's toolbar. A popup dialog will appear. Similar to the "View Acquired Scenes Graphically" function, this dialog shows on a graphical spatial map all the Areas of Interest for the xAR(s) selected (one AOI per xAR), and the Area of Search shown as polygons on the map.

The operation of the spatial map has been described in previous sections of this document, and will therefore not be discussed in great detail here.

Below the map in Figure 4.12.8-25 is a table containing individual xARs. This "xAR table" contains only one column labeled **xAR ID**. A user may select one or many rows in the xAR table

to display the Areas of Interest (AOIs) corresponding to the xARs selected in the table. Note that the xARs that appear in this table are those originally selected from the results table.
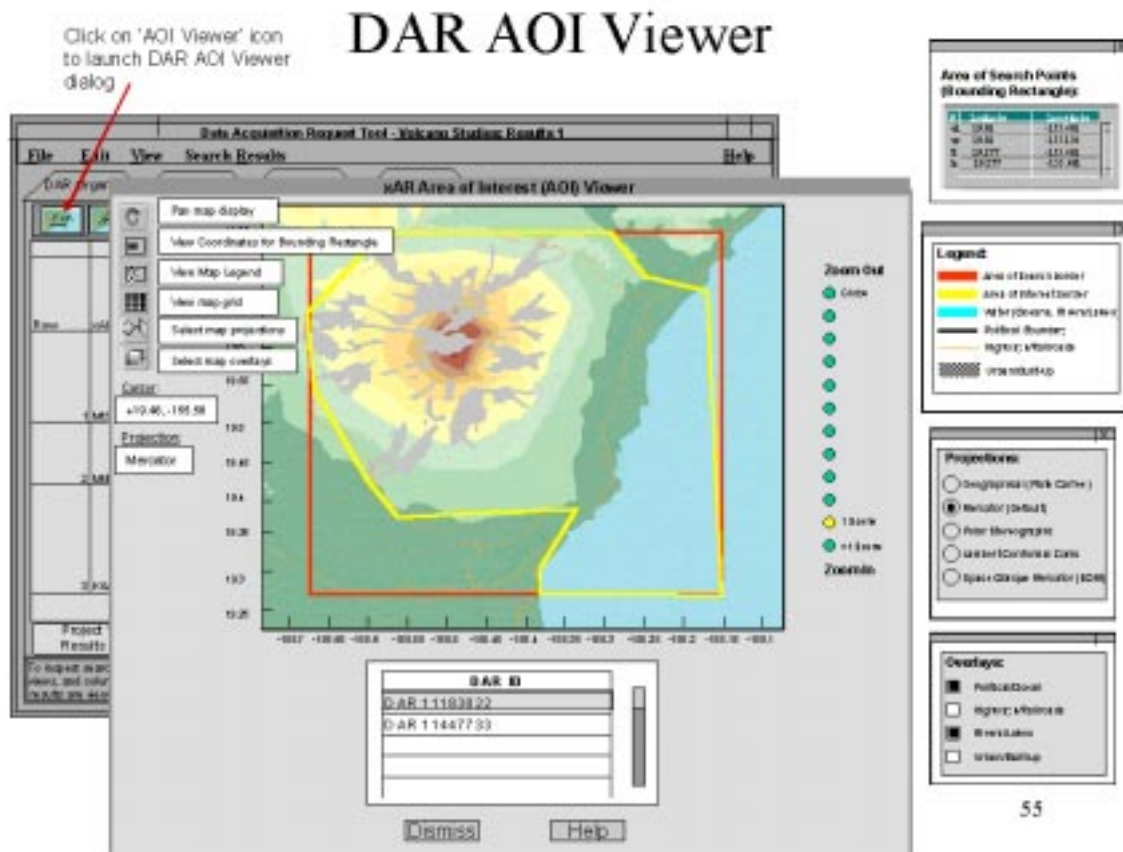

Figure 4.12.8-25.   AOI/AOS Dialog

The following function buttons are associated with the **AOI/AOS Dialog**:

1) **Pan Map Mode** - displays a dialog that allows the user to reset the center point of the map.

2) **AOI Mode** - displays a dialog that the user may use to enter Latitude/Logitude Coordinates for the Area of Interest of the associated DAR.

3) **View Coordinates -** Launches the Point Selection dialog.

4) **View Map Legend** - Launches the map legend dialog.

5) **Enable Map Grid** – Adds the map grid overlay to the spatial map.

6) **Select Map Projections** - Launches the map projection dialog.

7) **Select Map Overlays** - Launches the map overlay selection dialog.

8) **Stop Map Update** - stops the map requests/processes.

9) **Cursor Text Box** - shows the current position of the mouse in Lat./Long.

10) **Projection Text Box** - shows the map's current projection setting.

11) **xAR Table** - Shows in tabular format, all the xARs selected from the results table.

12) **Dismiss** - Closes the window.

13) **Help** - Provides help for the AOI/AOS Dialog.

4.12.8.3   Required Operating Environment

In order for JDT to work properly, the following environment must exist:

1) The user must have a connection to the World Wide Web.

2) The user must have a browser with the proper setup (see below).

3) The server must be running at the URL.

Browser Configuration

At the time of this writing, the preferred browser for the Java DAR Tool is the Netscape Communicator, version 4.06 or later. It should be configured with the following properties:

1) Java Plug-In should be enabled.

2) It should <u>not</u> cache jars in memory.

3) It should have the run time parameter for extra memory set. This is set with the parameter "-mx128m".

4) Plug-in level for JRE should be at least 1.1.2.

(Although a detailed discussion of Netscape browser configuration is beyond the scope of this document, it is to be mentioned that these parameters can be set in the Windows environment by running the "Java Plug-in Control Panel", and in the Solaris environment by running the ControlPanel application.)

Interfaces and Data Types

1) The interface that Java DAR Tool maintains with its server is a standard http protocol through a TCP/IP connection.

4.12.8.4   Database Schema

The Java DAR Tool uses a system of flat ascii files to store data. They are placed in a directory structure on the server which is organized according to the following structure:

Folder
  xAR
   Search

xAR
Results
Results List
xAR
xAR
Search Criteria

Each xAR directory has folders representing the tabs; each one of these folders contains a file named TUPLE, which contains the actual ascii data.

Each user id has its own instance of the directory structure described above.

4.12.8.5 Special Constraints

There are no special JDT constraints.

4.12.8.6 Outputs

There are no outputs from the JDT beyond the screens detailed in this document.

4.12.8.7 Events and Error Messages

The JDT generates error messages to inform the user of any problems encountered processing a system request. These error messages are contained in Appendix A of this document in Table A.2.1-4.

4.12.8.8 Reports

None.

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4.12.9 Earth Science Online Directory (ESOD) Advertising Tool

The ESOD is a World Wide Web based directory that holds descriptions of earth science providers, earth science data, and earth science related services. ECS provides the web-based ESOD Advertising GUI tool to allow users access to these advertisements.

Users can perform the functions listed in Table 4.12.9-1 with the ESOD Advertising Tool GUI.

Table 4.12.9-1. Common ECS Operator Functions Performed with the Custom Advertising Tool

Operating Function	Command/Script or GUI	Description	When and Why to Use
New Advertisements	ESOD Online Directory	User selects this link to view listing of new and updated entries.	User needs to view recent additions and modifications to Advertisements
Search All	ESOD Online Directory	User selects this link to perform a text search on all advertisements.	User needs to view advertisments with a common attribute.
Search Data Entries only	ESOD Online Directory	User selects this in order to perform a search on data entries	User needs to view data entries.

4.12.9.1 Quick Start and GUI Overview

The ESOD Advertising tool is a web-based GUI which ECS users invoke using Netscape 4.06 or equivalent browser.

To view the ESOD Advertising tool web page, first bring up netscape by entering the following command:

>**netscape**

Next, one must specify the web page. Choose the "Open Page" (ALT-O) from the "File" menu. Then enter "http://g0ins02u.ecs.nasa.gov:10000/IoAdEsodHome.html" for **GSFC** or

"http://e0ins02u.ecs.nasa.gov:10000/IoAdEsodHome.html" for **EDC** or

"http://l0ins02u.ecs.nasa.gov:10000/IoAdEsodHome.html" for **LARC** or

"http://n0ins02u.ecs.nasa.gov:10000/IoAdEsodHome.html" for **NSIDC**,

The "EOSDIS Online Directory" page should now load.

4.12.9.2 ESOD Advertising Tool Main Screen

Figure 4.12.9-1 shows the **ESOD Advertising Tool** home web page.
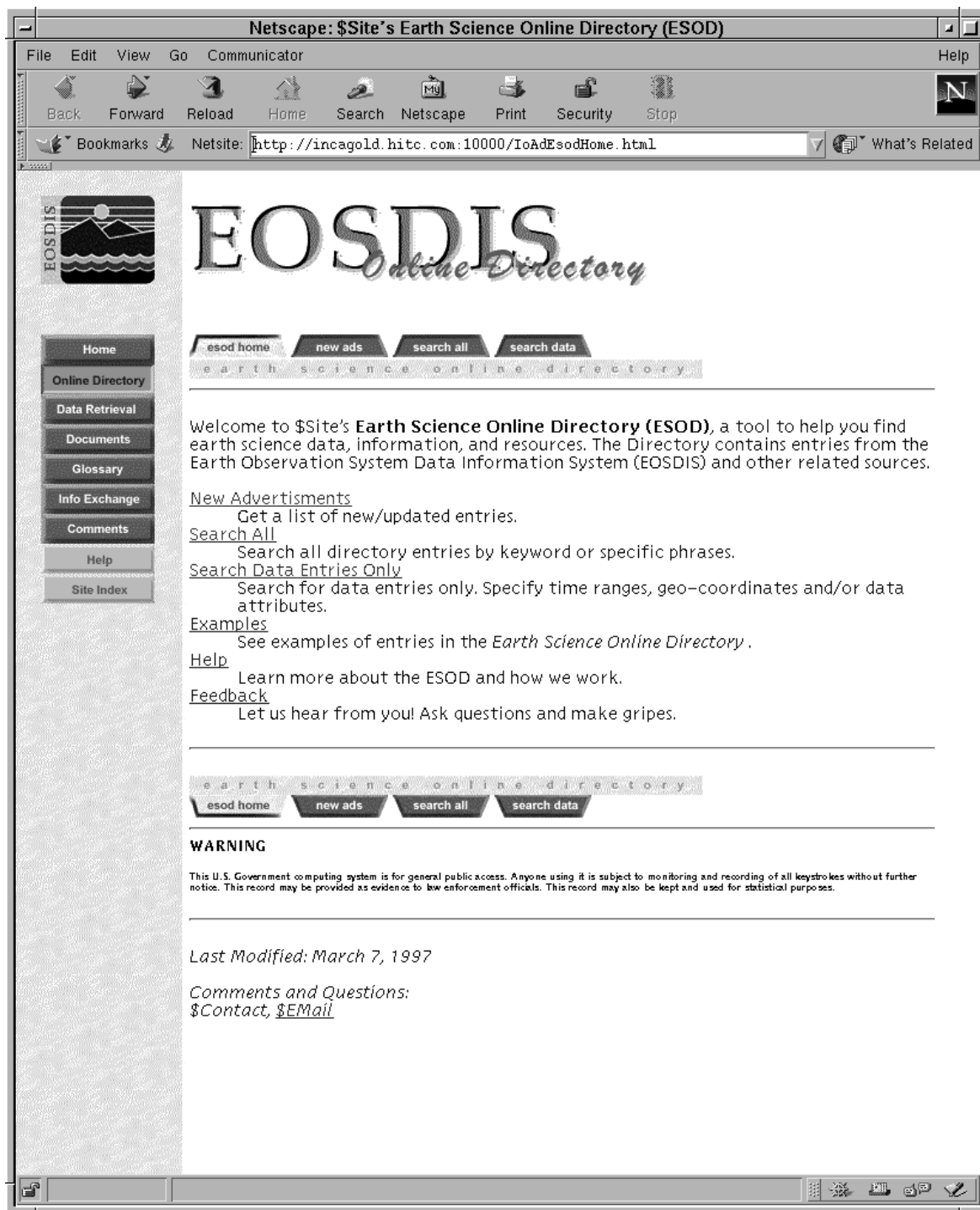
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Figure 4.12.9-1. ESOD Advertising Home Page

From the home page, the user can access six ESOD advertising-specific subpages through the following highlighted links:

1. New Advertisements (also accessible by pressing "new ads" tab at top and bottom of page)

2. Search All (also accessible by pressing "search all" tab at top and bottom of screen)

3. Search Data Entries Only (also accessible by pressing "search data" tab at top and bottom of screen)

4. Examples

5. Help

6. Feedback

In addition, the left of the screen has nine common support buttons allowing the user to access the EOSDIS home page, access other EOSDIS services, and provide EOSDIS help.

4.12.9.2.1 New Advertisements

To view the new advertisements click the "New Advertisement" link on the ESOD home page. A list of new advertisement links will appear on the screen as shown in Figure 4.12.9-2. This page allows the user to link to each new advertisement submitted within the last 30 days.

Figure 4.12.9-2. ESOD New Advertisement Page

4.12.9.2.2 Search All

Click the "Search All" link on the home page to view a search engine. A page with "**Text Search**" should appear as in Figure 4.12.9-3.

Figure 4.12.9-3. ESOD Search All Page

The **Search All** screen allows a user to search the ESOD advertisement database with specific queries and perform free-text searches similar to typical search engines.

4.12.9.2.3 Search Data Entries Only

Clicking the "Search Data Entries Only" link brings the user to the "**Data Search Form**" page shown in Figure 4.12.9-4. Here after following the directions at the top of the page, users can search on advertisements that pertain to data.

Figure 4.12.9-4. Data Entries Only Page (1 of 2)

Figure 4.12.9-4. Data Entries Only Page (2 of 2)

Additional capabilities exist to search by science data related metadata. For example, users can search by time on geographic areas as well as common science data metadata.

4.12.9.2.4 Examples

To view the example page click the "Examples" link on the ESOD home page. The **Examples** page shown in Figure 4.12.9.5 will come up showing directory entries.
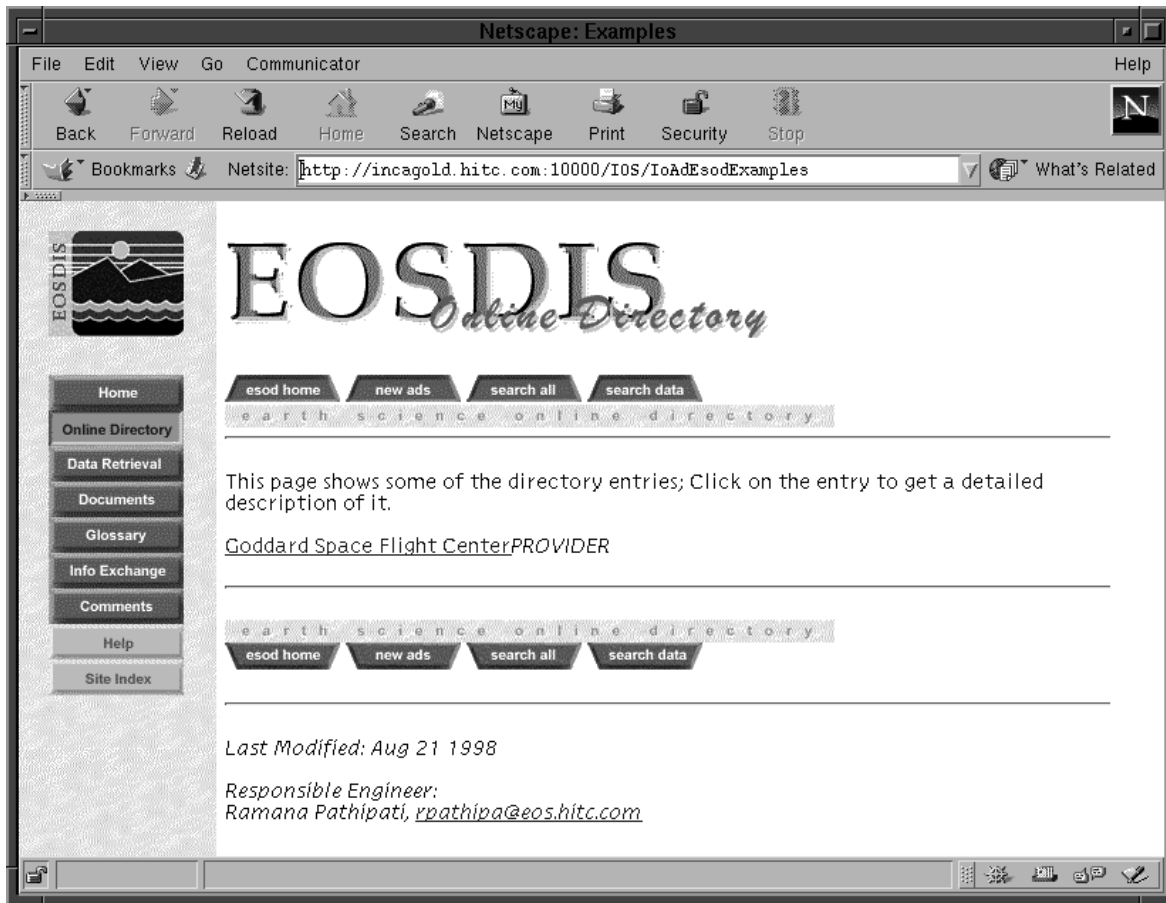
Figure 4.12.9-5. Examples Screen

4.12.9.2.5 Help

To get help and learn more about ESOD a user should click on the "Help" link. Here users will find a table of contents and links to those topics (Figure 4.12.9-6).
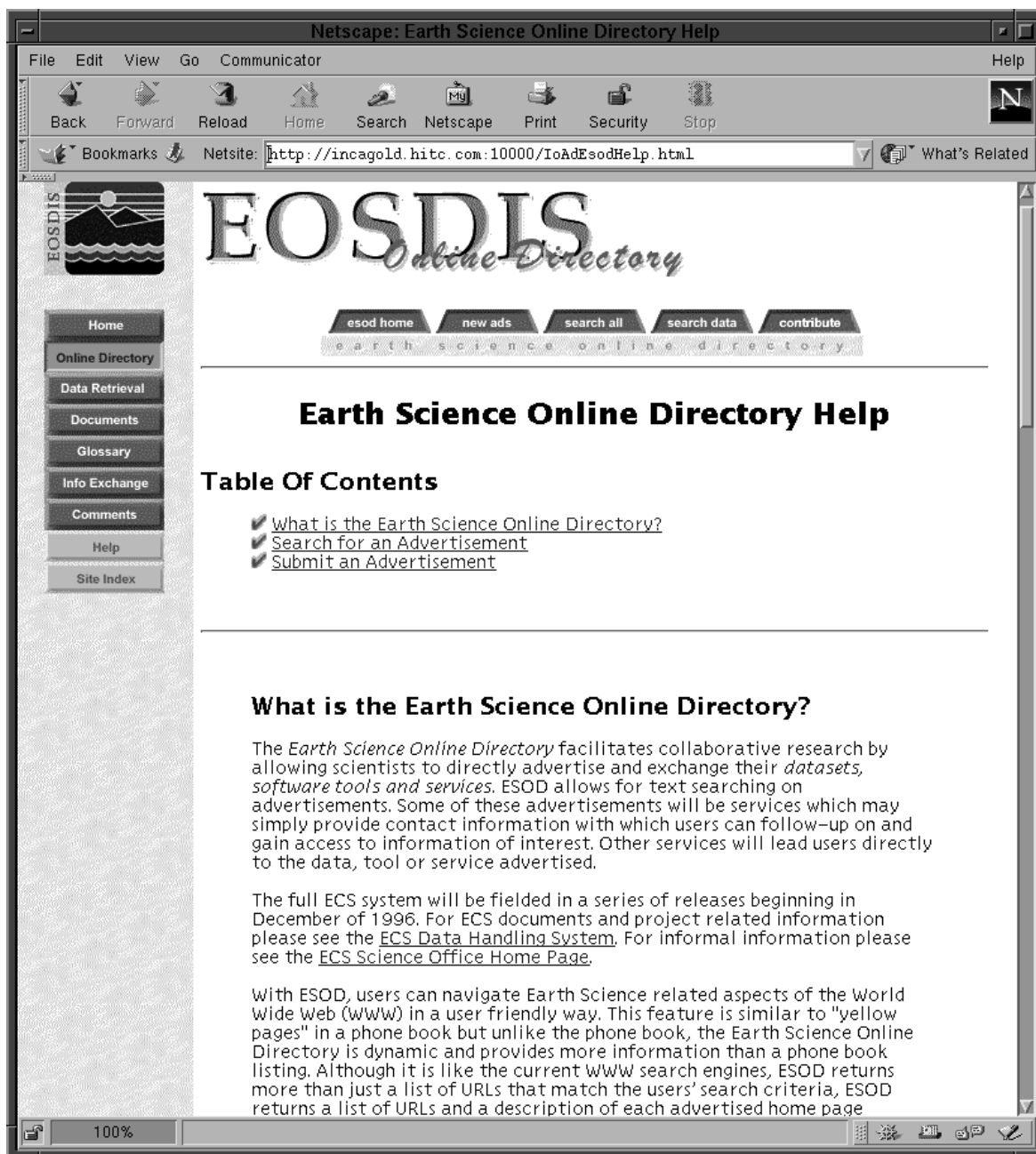
Figure 4.12.9-6. Help Screen

4.12.9.2.6 Feedback

Clicking the "Feedback" brings up the browsers designated email application. Users shall click this link when they wish to present feedback and suggestions.

4.12.9.3 Required Operating Environment

ESOD Advertising tool is accessible with an environment supporting a web browser such as Netscape version 4.06.

4.12.9.4 Databases

The ESOD database supplies advertising data to web browsing users.

4.12.9.5 Special Constraints

None.

4.12.9.6 Outputs

Information on ESOD maintained data is returned on user query.

4.12.9.7 Event and Error Messages

TBS

4.12.9.8 Reports

None.

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4.12.10 ASTER On-Demand Product Request Form (ODFRM)

ODFRM is a World Wide Web based interface that allows registered ECS users to enter and submit a form requesting ASTER on-demand processing and product delivery. On Demand products are different from routine products in that the production does not use standard defaults for parameters, but user-specified parameter values. Through the ODFRM web interface, users are able to choose a product type and specify the desired parameters that will be used for the production of this request. Options for delivering the product from ECS are also entered through this interface.

Users can perform the functions listed in Table 4.12.10-1 with the ODFRM.

Table 4.12.10-1. Common ECS Operator Functions Using ODFRM

Operating Function	Command/Script or GUI	Description	When and Why to Use
Login	ODFRM home page	User selects this to login to the ODFRM.	To order L1B (non-standard from GDS), the user needs to be an authorized ECS user.
On-demand Product Request	ASTER Product Request Pages	User selects a product along with associated parameter options and orders it.	User can order the listed products as needed assuming access privilege exists.

4.12.10.1 Quick Start Using the ODFRM

The ODFRM tool is invoked using Netscape or the Internet Explorer browser. If using Netscape, follow the Netscape startup procedure described in Section 4.12.3. Next, specify the ODFRM web page. Choose the "Open Page" (ALT-O) from the "File" menu, then enter:

http://<site>0ins02u.ecs.nasa.gov:1000<mode >/

> **<site>** = site code where:
>
>> **e** is for EDC
>>
>> **g** is for GSFC
>>
>> **l** is for LARC
>>
>> **n** is for NSIDC
>>
>> (note, use host **t1ins01u** for VATC)
>
> **<mode >** = ECS mode where:
>
>> **0** = OPS mode (for conventional science user operation)
>>
>> **1** = TS1 mode
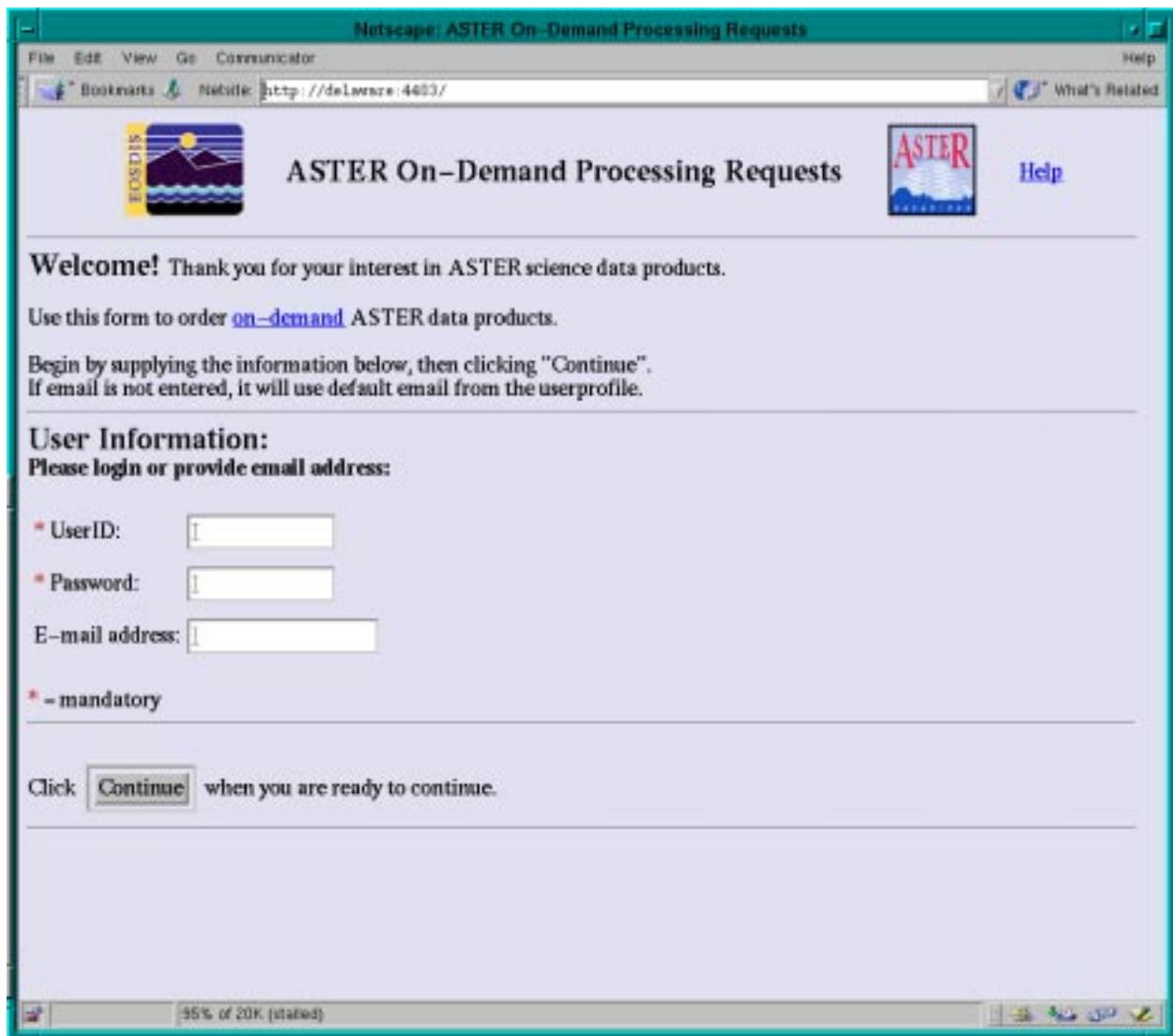
2 = TS2 mode

On entering this URL, the ODFRM Main screen or home page appears.

4.12.10.2 ODFRM Main Screen

Figure 4.12.10-1 shows the ODFRM main screen or home web page.

Figure 4.12.10-1. ODFRM Home Page

From the home page, the user can log in to the ODFRM and go to the Product Selection page by pressing the Continue button. To order any ASTER on-demand products, the user needs to be

registered with ECS. In the home page, enter userId and password and press the Continue button. The email address is an optional field. If nothing is entered in this field, the default email address from the registered user's profile is used. If the userId and password are valid, then ODFRM brings up the product selection page shown in Figure 4.12.10-2.

Figure 4.12.10-2. ASTER Product Selection Page

From this page, the user can select products for ordering. In addition, by clicking on the product hyperlinks, more information is displayed about the product.

4.12.10.2.1 AST_L1B (non-standard)

To order AST_L1B (non-standard from GDS), select the AST_L1B radio button and click on the Continue button. This item is visible on the product selection page only if the user has access privilege to order AST_L1B. Figure 4.12.10-3 shows the AST_L1B Product Request Page. Select the parameters and click on the Continue button to order the AST_L1B product. This takes you to the **Product Request Confirmation** page described ahead.

Figure 4.12.10-3. AST_L1B (non-standard) Product Request Page

4.12.10.2.2 AST_04 Product Request

To order the ASTER Level 2 Brightness Temperature at the Sensor product, select the AST_04 radio button and click the Continue button. This takes you to the **Media and Shipping Information Pages** described ahead.

4.12.10.2.3 AST_05 Product Request Page

To order the ASTER Level 2 Emissivity product, select the AST_05 radio button and click on the Continue button. The AST_05 Product Request page shown in Figure 4.12.10-4 appears. Select the parameters for the order and click on the Continure button. This takes you to the **Media and Shipping Information Pages** described ahead.

Figure 4.12.10-4. AST_05 Product Request Page

4.12.10.2.4 AST_08 Product Request Page

To order the ASTER Level 2 Surface Temperature product, select the AST_08 radio button and click on the Continue button. The AST_08 Product Request page shown in Figure 4.12.10-5 appears. Set the parameters of the order and click on the Continue button. This takes you to the **Media and Shipping Information Pages** described ahead.
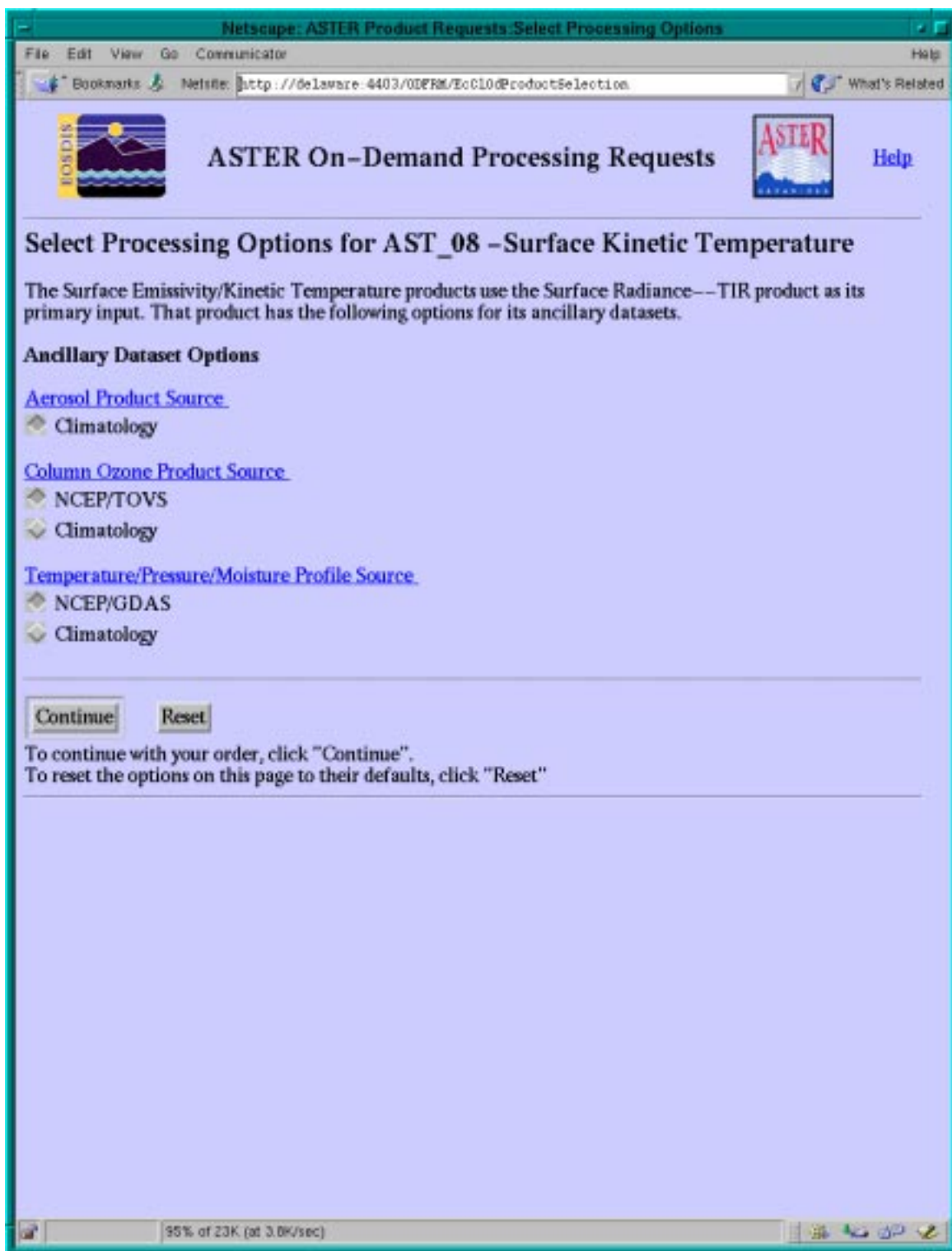
Figure 4.12.10-5. AST_08 Product Request Page

4.12.10.2.5 AST_06V Product Request Page

To order the ASTER Level 2 Decorrelation Stretch (VNIR) product, select the AST_06V radio button. The AST_06V Product Request page shown in Figure 4.12.10-6 appears. Fill in the parameters of the order and click on the Continue button to order the product. This takes you to the **Media and Shipping Information Pages** described ahead.

Figure 4.12.10-6. AST_06V Product Request Page

4.12.10.2.6 AST_06S Product Request Page

To order the ASTER Level 2 Decorrelation Stretch (SWIR) product, select the AST_06S radio button and click on the Continue button. The AST_06S Product Request page shown in Figure 4.12.10-7 appears. Fill in the parameters of the order and click on the Continue button. This takes you to the **Media and Shipping Information Pages** described ahead.

Figure 4.12.10-7. AST_06S Product Request Page

4.12.10.2.7 AST_06T Product Request Page

To order the ASTER Level 2 Decorrelation Stretch (TIR) product, select the AST_06T radio button and click on the Continue button. The AST_06T Product Request Page shown in Figure 4.12.10-8 appears. Fill in the parameters of the order and click on the Continue button. This takes you to the **Media and Shipping Information Pages** described ahead.

Figure 4.12.10-8. AST_06T Product Request Page

4.12.10.2.8 AST_07 Product Request Page

To order the ASTER Level 2 Surface Reflectance (VNIR, SWIR) product, select the AST_06T radio button and click on the Continue button. The AST_07 Product Request Page shown in Figure 4.12.10-9 appears. Fill in the parameters for the order and click on the Continue button.. This takes you to the **Media and Shipping Information Pages** described ahead.

Figure 4.12.10-9. AST_07 Product Request Page

4.12.10.2.9 AST_09 Product Request Page

To order the ASTER Level 2 Surface Radiance (VNIR, SWIR) product, select the AST_06T radio button on the product selection page and click on the Continue button. The AST_09 Product Request Page shown in Figure 4.12.10-10 appears. Select the parameters for the order and click on the Continue button. This takes you to the **Media and Shipping Information Pages** described ahead.
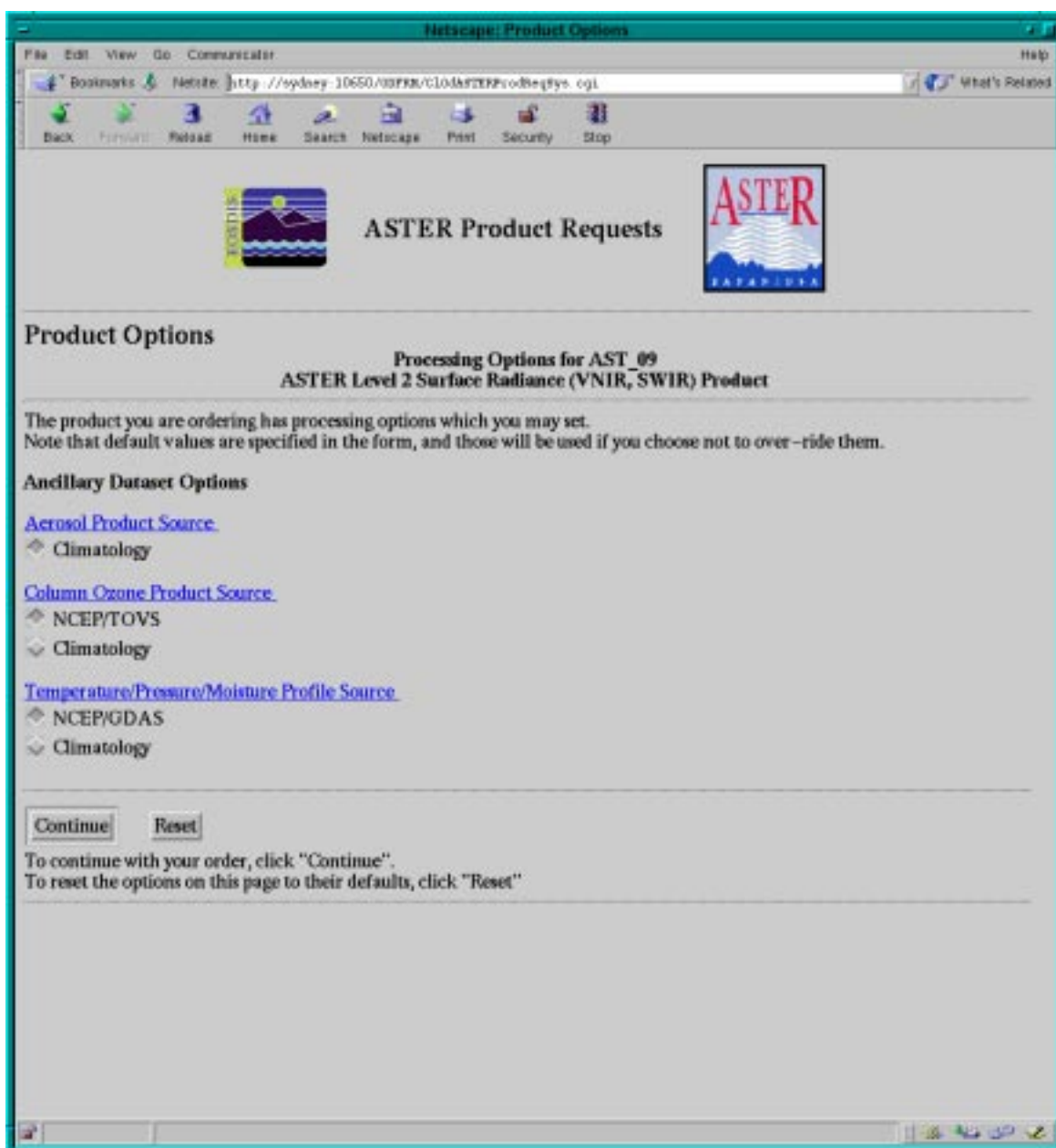
Figure 4.12.10-10. AST_09 Product Request Page

4.12.10.2.10 AST_09T Product Request Page

To order the ASTER Level 2 Surface Radiance (TIR) product, select the AST_09T radio button and click on the Continue button. The AST_09T Product Request Page shown in Figure 4.12.10-11 appears. Select the parameters for the order and click on the Continue button. This takes you to the **Media and Shipping Information Pages** described ahead.

Figure 4.12.10-11. AST_09T Product Request Page

4.12.10.2.11 AST14DEM Product Request Page

To order the ASTER DEM product, select the AST14DEM radio button on the product selection page and click on the Continue button. The AST14DEM Product Request page shown in Figure 4.12.10-12 appears. Select the parameters for the order and click on the Continue button. This takes you to the **Media and Shipping Information Pages** described ahead.

Figure 4.12.10-12. AST14DEM Product Request Page

If the Digital Elevation Model (DEM) Type selected is Absolute and the Ground Control Point (GCP) Coordinate System is Lat/Long (Deg-Min-Sec) then Figure 4.12.10-13 appears.

Figure 4.12.10-13. GCP for Absolute DEM (Coordinates Lat/Long- Deg,Min,Sec)

If the DEM type selected is Absolute and the GCP Coordinate System is UTM (Northing/Easting/Zine/Row) then the page shown in Figure 4.12.10-14 appears.

Figure 4.12.10-14. GCP for Absolute DEM (Coordinates UTM Zone-Row, Northing-Easting)
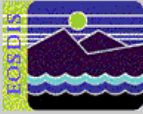
If the user selects the DEM Type Absolute and GCP Coordinate System Lat/Long (Deg-Min-Sec) and clicks on the Continue button, the **Media and Shipping Information Pages** appear for the order.

4.12.10.2.12 Media and Shipping Information Pages

After choosing the product and selecting options on a Product Request page and clicking the Continue button, the **Select Media Options** page shown in Figure 4.12.10-15 appears.

Figure 4.12.10-15. Select Media Options for Delivery

Select the Media Type and Media Format options from the pulldown lists on the page and press Continue. The next page to appear depends on the Media Type option selected. If the FtpPush

option is selected as the Media Type, the **Enter FtpPush Information** page appears as shown in Figure 4.12.10-16 requesting the electronic destination parameters for the Ftp.

Figure 4.12.10-16. Enter FtpPush Information Page

On entering the required FtpPush information that identifies the destination for the electronic delivery of the product from ECS, press the Continue button to invoke the **Order Review** page, an example of which appears in Figure 4.12.10-18.

If the Media Type selected is physical such as 8mm tape, the **Enter Shipping Information** page appears as shown in Figure 4.12.10-17.

File   Edit   View   Go   Communicator   Help

ASTER On–Demand Processing Requests   Help

Enter Shipping Information:

Shipping Address:
☐ **Use Shipping Address from the User Profile**

* **FullName:** [   ]

* **Street Address:** [   ]

* **City:**   * **State/Province:**   Zip/Postal code: Country:

[   ]   [   ]   [   ]   [   ]

If the Checkbox is not slected, then the Shipping Address is mandatory.
If the Checkbox is selected, then the Shipping Address will be used from the Userprofile.

[**Continue**]   [**Reset**]

To continue with your order, click "Continue".
To reset the options on this page to their defaults, click "Reset"

* = mandatory

91% of 23K (stalled)

Figure 4.12.10-17. Enter Shipping Information Page

Click on the checkbox to ship the product to the address from the registered user profile or enter a different shipping address in the fields on the screen. Click the Continue button to proceed to the **Order Review** page shown in Figure 4.12.10-18.
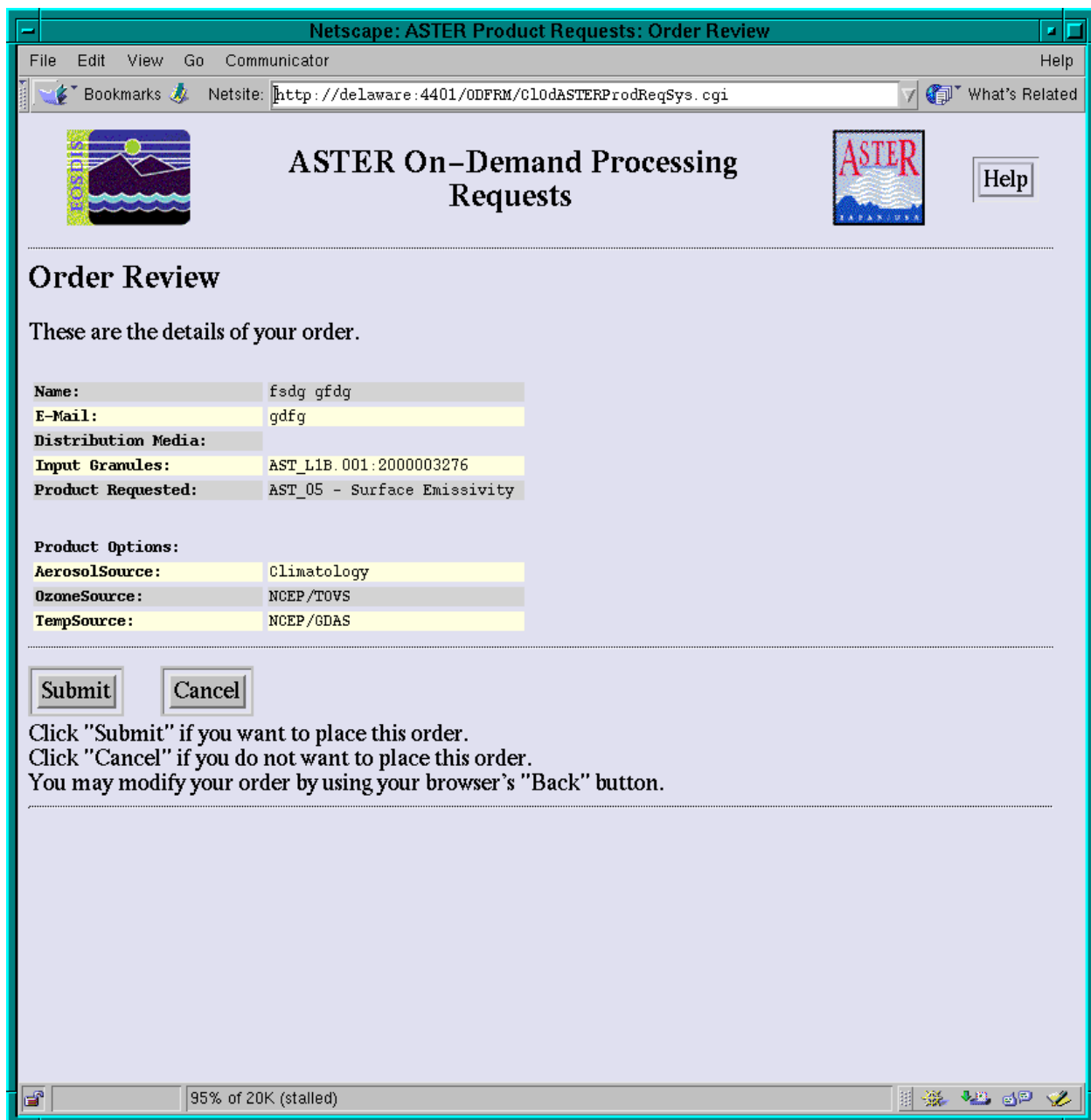
Figure 4.12.10-18. Example Order Review and Confirmation Page

After confirming the correctness of the product order, click on the Submit button to send out the product order. Corrections to the order can be done using the Back button of the browser to go to the page containing the parameters to be changed.

4.12.10.3 Required Operating Environment

ODFRM is accessible with an environment supporting a web browser such as Netscape version 4.0 or higher or Internet Explorer version 4.0 or higher.

4.12.10.4 Databases

None.

4.12.10.5 Special Constraints

None.

4.12.10.6 Outputs

None.

4.12.10.7 Event and Error Messages

None

4.12.10.8 Reports

None.

Appendix A. User Interface Messages

A.1 Overview

In this section, all messages that appear on the graphical user interface (GUI) of ECS custom applications are presented in separate tables. (For information on commercial applications used in ECS, see the user's manuals of the individual applications.) The tables are organized according to the ECS subsystem to which the applications belong. Each table has the following columns:

- **Message Text**. Messages can refer to user actions or provide information about what is happening in the application or in the system. There can be error, application state changes, informational and debugging, transactional, and security messages. In the following tables, messages are presented exactly as they appear on the current user interface.

- **Impact**. In the following tables, a brief description is presented of what could occur as a consequence of the information provided in the message. Impact can refer to effects on the application, or the system.

- **Cause and Corrective Action**. Where it is useful to the user and appropriate to the message, the following tables provide a brief statement of what caused the event that prompted the message to be displayed and what, if anything, the user can or should do about it.

A.2 User Interface Messages

The User Interface Messages are presented in the following order:

<div align="center">

A.2.1 CLS
A.2.2 DMS
A.2.3 IOS
A.2.4 DSS
A.2.5 INS
A.2.6 CSS
A.2.7 MSS
A.2.8 PLS
A.2.9 DPS

</div>

A.2.1 Client Subsystem (CLS)

The following tables (A.2..1-1 through A.2.1-5) present user interface messages generated by tools associated with the CLS subsystem.

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Table A.2.1-1. User Registration Tool User Messages (1 of 2)

Message Text	Impact	Cause and Corrective Action
Error: Please enter a User Verification Key	This is a mandatory field; so the system will not allow users to submit the form without completing the indicated area.	Entry was not completed. For account verification, users must supply a password or "key", for instance, mother's maiden name, a secret code word, or a string of nonsense letters.
Error: Please enter a First Name	This is a mandatory field, so the system will not allow users to submit the form without completing the indicated area.	Entry was not completed. Click OK on the error message popup window. Then, complete the missing information.
Error: Please enter a Last Name	This is a mandatory field, so the system will not allow users to submit the form without completing the indicated area.	Entry was not completed. Click OK on the error message popup window. Then, complete the missing information.
Error: Please enter an Email Address	This is a mandatory field, so the system will not allow users to submit the form without completing the indicated area.	Entry was not completed. Click OK on the error message popup window. Then, complete the missing information.
Error: Please enter a city	This is a mandatory field, so the system will not allow users to submit the form without completing the indicated area.	Entry was not completed. Click OK on the error message popup window. Then, complete the missing information.

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Message Text	Impact	Cause and Corrective Action
Error: Please enter State/Province	This is a mandatory field, so the system will not allow users to submit the form without completing the indicated area.	Entry was not completed. Click OK on the error message popup window. Then, complete the missing information.
Error: Please enter a zip or postal code	This is a mandatory field, so the system will not allow users to submit the form without completing the indicated area.	Entry was not completed. Click OK on the error message popup window. Then, complete the missing information.
Error: Please enter phone number where you can be reached	This is a mandatory field, so the system will not allow users to submit the form without completing the indicated area.	Entry was not completed. Click OK on the error message popup window. Then, complete the missing information.

Message Text	Impact	Cause and Corrective Action
PROBLEM WITH FILE: Either file is not an HDF file or read permission is not set for this file.	The file selected by the user in the file selection dialog can not be viewed with EOSView.	Re-select "File-Open" from EOSView Main Window and pick a different file.
Display for this object not implemented.	User selected an HDF object that can not be displayed.	Select a different HDF object.
Input error - integer input must be in the range of: X = 0 - <number> Y = 0 - <number>	Integer values entered were out of range.	Re-enter values in the range listed.
Error reading from SDS. Unable to get stats.	EOSView could not read the selected SDS to calculate statistics.	None
Error creating stats list.	EOSView had an error while trying to display statistical data.	None
Error attaching to Vdata.	Error occurred while trying to read from selected VData.	None
Error setting field <fieldname>.	Error occurred while trying to read from selected VData.	None
Error in Vseek with field <fieldname>	Error occurred while trying to read from selected VData	None
Error reading from field <fieldname>	Error occurred while trying to read from selected VData	None
Statistics will not be calculated for character data.	User requested to see statistics for tabular data but cannot be done for character arrays.	None
Unable to set help directory.	EOSView is unable to load hypertext help file.	Select hypertext help file (eosview.csc) in the file selection dialog.
File needs to be an HDF file.	Running EOSView with a script and file passed in was not in HDF format.	None

Message Text	Impact	Cause and Corrective Action
File must contain at least one raster image.	Running EOSView with a script requesting animation but input file has no raster images.	None
File: <filename> Line: <number> Bad memory allocation size: (<number> bytes)	Tried to allocate zero or fewer bytes of memory.	None
File: <filename> Line: <number> Error allocating memory (<number> bytes), Exiting...	Not enough memory for allocation.	EOSView will exit.
File: <filename> Line: <number> Error reading file: <filename>	Running EOSView with script with input file that cannot be opened.	None
Line maximum reached. Ignoring rest	Text display has reached maximum number of lines to display.	Not all of the text in the file will be available for viewing.
Out of space	Trying to reallocate memory with none available.	Text display operation will cease.
Corrupt Data Encountered. Image Cannot be made!	During pseudocolor image creating bad data was detected.	Image will not be displayed.
No items to view	HDF file selected contains no objects.	File contents window will be empty.
Unable to create SLIST	Unable to create list of HDF objects contained in selected file.	User will not be allowed to view file objects.
Unable to create contents window	Unable to create window to display list of HDF objects contained in selected file.	User will not be allowed to view file objects.
Unable to open Field List Window.	Unable to open window containing list of fields in VData.	User will not be allowed to view VData.
Unable to create Fields List.	Unable to create list of VData field names for display.	User will not be allowed to view VData.

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Message Text	Impact	Cause and Corrective Action
At least one Field must be selected.	To display a table or plot at least one VData field name must be selected.	Select a field.
Can't open text window.	Unable to open window containing HDF attributes.	Text data will not be viewed.
No attributes to display.	Selected object contains no attributes.	None
File: <filename> Line: <number> Error with file id.	Bad file id returned in file open.	Data can not be viewed.
File: <filename> Line: <number> Error with Sdreftoindex.	Error converting reference id to index.	SDS data will not be displayed.
File: <filename> Line: <number> Error with Sdselect.	Error selecting SDS data in file.	SDS data will not be displayed.
Unable to attach to <grid name> to view Grid Information.	Grid attach failed.	Grid information can not be viewed.
Unable to open grid to view Grid Information	Grid open failed.	Grid information can not be viewed
Unable to attach to <grid name> to view Projection Information.	Grid attach failed.	Projection information can not be viewed.
Unable to open grid to view Projection Information	Grid open failed.	Projection information can not be viewed
Unable to retrieve projection information	Grid projection information retrieval failed.	Projection information can not be viewed
Unable to retrieve grid information	Grid information retrieval failed.	Grid information can not be viewed
ERROR: Quantization of 24-bit image failed!	Converting 24-bit image to 8-bit image failed.	Image will not be available for viewing.
ERROR: Could not write 8 bit image	8-bit image data copy error occurred.	Image will not be available for viewing
ERROR: Unable to set HDF Palette!	Image palette data could not be set.	Image will not be available for viewing
ERROR: Unable to create 8 bit image.	Could not write 8 bit image to temporary file.	Image will not be available for viewing

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Message Text	Impact	Cause and Corrective Action
Can Plot on 1 or 2 Fields - please re-select	User selected three or more fields for plotting.	De-select fields until less than three are selected.
Field <fieldname> is character data. Only numeric data may be selected for plotting.	User selected character data for plotting.	De-select character data field.
Field <fieldname> has an order of <number> and must be plotted alone.	Field has multiple numbers per record and can not be plotted against another field.	None
Error in Vssetfields	VData operation failed	VData will not be viewed.
Error at Vsseek	VData operation failed	VData will not be viewed.
Error at Vsread	VData operation failed	VData will not be viewed.
No groups to display	HDF file has no data	File will be closed.
Error reading SDS data. No data displayed.	Error in SDS operation.	SDS data will not be available for viewing.
File: <filename> Line: <number> Error in reading group items.	Error trying to get group items.	HDF file can not be viewed.
File: <filename> Line: <number> Bad data pointer for ReadHDFImage	Image data is null.	Image will not be displayed.
File: <filename> Line: <number> Error reading Raster image	Error reading raster image data from file	Image will not be displayed
File: <filename> Line: <number> Error reading file <filename>	Error during file read operation.	Selected data will not be viewed.
File: <filename> Line: <number> Error closing file	Error during file close operation	None
File: <filename> Line: <number> Error in allocation node memory	Not enough memory for new data node.	This object will not be available for selection

Message Text	Impact	Cause and Corrective Action
File: <filename> Line: <number> Unknown SDS data type	Data stored in this SDS is not HDF standard	Data will not be displayed.
File: <filename> Line: <number> Error in DFR8nimages	Error while trying to determine the number of 8-bit images in the file.	8-bit image data will not be checked in this file.
File: <filename> Line: <number> Error in DFR24nimages	Error while trying to determine the number of 24-bit images in the file.	24-bit image data will not be checked in this file.
Error initializing IDL - EOSView must exit!	EOSView found a problem in IDL commands file (eosview.dat)	EOSView will exit.
Unable to set IDL Directory.	EOSView could not find IDL commands file.	Select the file eosview.dat in file selection dialog.
Unable to create list box lists!	Lat/Lon cursor position window lists can not be created	User will not be allowed to position cursor on selected lat/lon.
Data invalid - input must be <INTEGER/FLOAT>! Maximum value: <number>	User entered data out of type or range for the field.	Re-enter data that meets warning window requests.
Coordinates entered are outside the boundaries of this GRID.	User entered valid coordinates but area is not covered by selected grid.	Re-enter coordinates or look at grid information to determine grid coverage.
Failure in Gdgetpixels	Error in getting pixel location	Cursor positioning will not function for this request.
Error receiving Grid projection/pixel information.	Error in location proper pixel.	Cursor positioning will not function for this request.
Error getting Lat/Lon from x-y position	Error in locating proper pixel	Cursor positioning will not function for this request.
File: <filename> Line: <number> NULL ximage	Error occurred while converting image data to ximage.	Requested image will not be displayed.

Message Text	Impact	Cause and Corrective Action
Unable to attach to <Point name> to view Point Level Info	Error attaching to selected point.	Point Level data will not be displayed.
Unable to open point to view Point Level Info.	Error opening to selected point.	Point Level data will not be displayed.
No levels exist for point.	Selected point contains no level data.	Level information can not be viewed.
Unable to create levels list.	List to display level information had an error.	Point Level information will not be available for viewing.
Error getting fields	Error while getting Point Level Field names.	Point Level information will not be available for viewing.
Unable to attach to <swath/grid name> to view attributes.	Error attaching to selected swath/grid.	Swath/Grid attribute data can not be displayed.
Unable to open swath to view attributes.	Error opening selected swath.	Swath attribute data can not be displayed.
Unable to open grid to view attributes.	Error opening selected grid.	Gird attribute data can not be displayed.
Unable to attach to <swath/grid name> to view dimensions.	Error attaching to selected swath/grid.	Swath/Grid dimensions data can not be displayed.
Unable to open swath to view dimensions.	Error opening selected swath.	Swath dimensions data can not be displayed.
Unable to open grid to view dimensions.	Error opening selected grid.	Gird dimensions data can not be displayed.
Unable to open grid to view Data Fields	Error opening selected grid.	Grid data fields can not be displayed.
Unable to attach to <grid name> to view Data Fields.	Error attaching to selected grid.	Grid data fields can not be displayed.
Unable to open swath to view Geolocation/Data Fields	Error opening selected swath.	Swath Geolocation/Data fields can not be displayed.
Unable to attach to <swath name> to view Geolocation/Data Fields.	Error attaching to selected swath.	Swath Geolocation/Data fields can not be displayed.
Unable to attach to <swath name> to view Indexed Mapping.	Error attaching to selected swath.	Swath Indexed Mapping can not be displayed.
Unable to open swath to view Indexed Mapping	Error opening selected swath.	Swath Indexed Mapping can not be displayed.

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Message Text	Impact	Cause and Corrective Action
Unable to open swath to view Indexed Mapped Sizes	Error opening selected swath.	Swath Indexed Mapped Sizes can not be displayed.
Unable to attach to swath to view Indexed Mapped Sizes	Error attaching to selected swath.	Swath Indexed Mapped Sizes can not be displayed.
Error reading from Swath/Grid Fields. Unable to get stats.	Error reading swath/grid data fields.	Requested stats will not be displayed.
This swath contains no attributes.	Data request can not be filled since data is not present.	None
This grid contains no attributes.	Data request can not be filled since data is not present.	None
This point contains no attributes.	Data request can not be filled since data is not present.	None
This swath contains no Dimensions.	Data request can not be filled since data is not present.	None
This grid contains no Dimensions.	Data request can not be filled since data is not present.	None
Unable to create Dimensions list.	Error occurred while creating list of dimensions.	Swath/Grid dimension data can not be viewed.
This Grid contains no Data Fields.	Data request can not be filled since data is not present.	None
This Swath contains no Geolocation/Data Fields.	Data request can not be filled since data is not present.	None
Unable to create Geolocation/Data Fields list.	Error occurred while creating list of geolocation/data fields.	Geolocation/Data Fields data can not be viewed.
2 items already selected!	User tried to selection more than two dimensions for viewing.	Maximum number of dimensions to view is 2. Either de-select a dimensions or hit the OK button.
Must select at least one dimension!	User must select at least one dimension for viewing.	Select a dimension checkbox and hit the OK button.

Message Text	Impact	Cause and Corrective Action
Input problem! Dimension: <dimension name> Size: <number> Must follow: Start + Stride * (Edge - 1) + 1 <= Size	User altered start/stride/edge values for subsetting but entered values out of range.	Re-enter start/stride/edge values following formula provided in dialog.
This Swath contains no Geolocation Mappings.	Data request can not be filled since data is not present.	None
Unable to create Geolocation Mappings list.	Error occurred while creating list of geolocation mappings.	Geolocation mappings data can not be viewed.
This Swath contains no Indexed Mapping.	Data request can not be filled since data is not present.	None
Unable to create Indexed Mapping list.	Error occurred while creating list of indexed mapping.	Indexed mapping data can not be viewed.
Unable to create Indexed Mapping Sizes list.	Error occurred while creating list of indexed mapping sizes.	Indexed mapping size data can not be viewed.
This Indexed Mapping contains no data.	Data request can not be filled since data is not present.	None
No global attributes in file.	Data request can not be filled since data is not present.	None
Can't open main EOSView window	Unable to open main window.	EOSView will terminate.
Help file is unreadable, please choose another.	Selected help file is not readable.	Select eosview.csc from the file selection dialog.
Invalid help file, please choose another.	Selected file is not the EOSView help file.	Select eosview.csc from the file selection dialog.
No dimension attributes.	Data request can not be filled since data is not present.	None
File: <filename> Line: <number> Error getting file.	Selected file had a problem.	Select another file in the file selection dialog.
File <filename> contains no Raster Images to display.	File name passed into EOSView script file for image display contains no images.	EOSView will start but image display will not occur.

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Message Text	Impact	Cause and Corrective Action
File <filename> does not contain <number> Raster Images.	File name passed into EOSView script file to display image <number> does not contain <number> images.	EOSView will start but image display will not occur.
Input file <filename> is not an EOSView Script File.	File name passed into EOSView as a script file is not in script file format.	EOSView will start and main window will display.
Unable to create table save element	Not enough memory for table save element exists.	Table save operation can not be performed.
This file exists - must create new file.	User tried to save table to file that already exists.	Enter file name that does not exist. Table must be saved to a new file.
Must enter a file name!	User tried to write table to file with no name.	Enter valid file name in file open dialog.
Unable to open file <filename>	Tried to save table to file that could not be opened.	May want to check to see if user has write permission in this directory.
Error attaching to Vdata. Save aborted.	Error occurred while attaching to Vdata.	Table save operation is canceled.
Error setting Vdata fields. Save aborted.	Error occurred while setting Vdata fields.	Table save operation is canceled.
Unable to allocate buffer to read data.	Not enough memory to read table for table save operation.	Table save operation is canceled.
Vdata seek failed.	Error occurred in Vsseek operation.	Table save operation is canceled.
Vdata read failed.	Error occurred in Vsread operation.	Table save operation is canceled.
Error writing to file <filename>.	Error occurred while writing table data to file.	Table save operation is canceled.
Error reading data. Save option aborted.	Error occurred reading table data.	Table save operation is canceled.
Data written to file <filename>	Table save operation worked correctly.	None
Error Reading Animation Images.	Error reading animation images from script file.	Animation operation will not occur.

Message Text	Impact	Cause and Corrective Action
Error Reading Animation Images: no image.	No image data detected in file sent in from EOSView script file for animation.	Animation operation will not occur.
Animate allocation error: Animation will be truncated.	Not enough memory to animate all images in file.	Animation will occur but not all images in file will be used.
File: <filename> Line: <number> Not enough images for animation.	File sent into EOSView script file for animation contains less than 2 images.	EOSView will start but animation will not occur.

The Java DAR Tool (JDT) issues the following messages informing the user of any problems that may have occurred during the processing of a system request.

Table A.2.1-4. Java DAR Tool (JDT) User Messages (1 of 2)

Error Code	Description
1000	Repeat Interval must be greater than 0
1001	Minimum Look Angle must be less than the Maximum Look Angle
1002	Acquisition Window must be less than, or equal to, the Repeat Interval
1003	Repeat Interval must be less than, or equal to, the DAR Lifetime
1004	DAR Lifetime must be 18 or less when Implementation Urgency is set to 'Urgent'
1005	If Coverage Method is sampled, Coverage Amount must be less than 100%
1006	Cross Track Fragmentation and Ground Campaign cannot both be set to 'Yes'
1007	Minimum Sample Length cannot exceed Maximum Sample Length
1008	If Avoid Clouds is set to 'No', Coverage Amount must be greater than 5%
1009	Minimum Look Angle cannot exceed Maximum Look Angle
1010	Minimum Sun Angle cannot exceed Maximum Sun Angle
1011	Minimum Look Angle cannot exceed 8.55
1012	Maximum Look Angle cannot exceed 8.55
1013	Minimum Sun Angle cannot exceed 90.00
1014	Maximum Sun Angle cannot exceed 90.00
1015	Specific Look Angle cannot exceed 8.55
1016	View Swath ID must be a value between 1 and 7
1017	Acquisition Window must be less than, or equal to, the DAR Lifetime
1018	DAR Lifetime Start cannot exceed DAR Lifetime End
1019	A minimum of 3 points is required to create a polygon
1020	The polygon does not have a valid shape

Table A.2.1-4. Java DAR Tool (JDT) User Messages (2 of 2)

Error Code	Description
1021	If one Look Angle sign is set to '+/-', the other must also be set to '+/-'
1022	Adding the selected point creates a shape that is not a polygon
1023	Acquisition Window must be greater than 0
1024	A submitted DAR cannot be modified
1025	is an unauthorized user, and cannot submit a DAR
1026	Spatial coordinates must have at least 3 points in order to submit a DAR
10000	Unable to determine results status
10001	Search failed. Please try again later.
10002	Search failed. Please try again later.
10003	Search completed with errors.
10004	No results found.
10005	Partial results returned.
10006	Search Complete.
10007	Not all XARs have been returned.
10008	Some scenes may be missing.

A.2.2 Data Management Subsystem (DMS)

Table A.2.2-1 presents user interface messages for the Data Dictionary Maintenance Tool.

Table A.2.2-1. Data Dictionary Maintenance Tool User Messages (1 of 5)

Message Text	Impact	Cause and Corrective Action
Acronym Editor Will not be available	Cannot use the tool properly.	Configuration File Error. Use the correct Configuration File with entries for Acronym Editor.
Duplicate names in name mapping section of config file	Cannot use the tool properly.	Configuration File Error. Use the correct Configuration File with no duplicate entries in it.
Duplicate names or syntax errors in required values section of config file	Cannot use the tool properly.	Configuration File Error. Use the correct Configuration File and check the syntax of entries.
Missing name mappings	Cannot use the tool properly.	Configuration File Error. Use the correct Configuration File with entries in the name mapping section.
The following required items are missing <item list>	Cannot use the tool properly.	Configuration File Error. Use the correct Configuration File. Check the syntax of its entries.
Attribute Editor will not be available	Cannot use the tool properly.	Configuration File Error. Use the correct Configuration File with entries for Attribute Editor.
Collection Editor will not be available	Cannot use the tool properly.	Configuration File Problem. Use the correct Configuration File with entries for Collection Editor.
Failed	Cannot proceed with the subsequent and corresponding actions.	The user action did not result in the desired program function. Check prior entries before action entries.
Can't undo	Cannot cancel previous action.	Cancellation is not possible.
The Query failed for all the collections.	Query cannot be performed.	Could not perform the query for all the collections.

Table A.2.2-1. Data Dictionary Maintenance Tool User Messages (2 of 5)

Message Text	Impact	Cause and Corrective Action
The Query failed for some of the collections	Query cannot be completely performed.	Could not perform the query for some of the collections
The query succeeded for all the collections	N/A	Informational message.
The Query succeeded for some collections	N/A	Informational message.
Error connecting to Data Dictionary server	Data dictionary server not connected.	Could not connect to the server. Check the connection to the server from outside the program.
Querying database	N/A	Informational message.
Updating database	N/A	Informational message.
The update was successful	N/A	Informational message.
The update failed.	Database cannot be updated.	Updating the database did not work. Check the action and try again
No attribute has been specified	No further action on attributes will occur.	Attributes are not specified. Specify the attributes.
A valid value has not been specified	No further action will occur.	A value was not specified. Specify a value.
Unable to connect to Data Dictionary server. Please try later.	Data dictionary server not connected.	Could not connect to the server. Check the connection to the server from outside the program.
The query matched no items in database	N/A	Informational message.
The query failed	N/A	Check the action and try again.
Unknown internal error. Please try again.	The connection to the server is not available.	Check the server connection.
Glossary Editor will not be available	Cannot use the tool properly.	Configuration File Error. Use the correct Configuration File with entries for Glossary Editor.

Message Text	Impact	Cause and Corrective Action
Information Manager Editor will not be available	Cannot use the tool properly.	Configuration File Error. Use the correct Configuration File with entries for Information Manager Editor.
Instrument Editor will not be available	Cannot use the tool properly.	Configuration File Error. Use the correct Configuration File with entries for Instrument Editor.
Keyword Editor will not be available	Cannot use the tool properly.	Configuration File Error. Use the correct Configuration File with entries for Keyword Editor.
First select a database type from the database Type field at top	No database access is available.	Trying to access the database before selecting its type.
Cannot open valids file <valids filename>	Valids file will not be available.	The valids file specified does not exist. Specify the correct valids file.
Saved file <filename>	N/A	Informational message.
Data Dictionary and Advertising updated	N/A	Informational message.
Data Dictionary updated	N/A	Informational message.
You have pending actions, which will be lost if you exit. Do you really want to exit?	Loss of pending actions.	User trying to exit before confirming the database changes. Confirm before exiting.
Do you really want to exit?	Seeks user confirmation.	user confirmation required before exiting Confirm before exiting
Cannot edit unknown type: <database type>	No database access available.	Specify the correct database type.
Unable to open specified file. Try another filename.	File specified will not be available.	The file specified by the user cannot be opened. Specify correct filename.
You have made changes to <item name> , which will be lost if you proceed. Do you want to continue?	Loss of current changes.	Seeking user confirmation before exiting the current action Confirm before proceeding.
This object was deleted. Undo delete?	Specified object not available.	Referring to a deleted object. Check before referring again.

Message Text	Impact	Cause and Corrective Action
Query failed	N/A	Database search resulted in no selections.
Unable to connect to Data Dictionary server. Please try again later.	Connection to DDICT sever not available.	Problem connecting to DDICT server. Exit and try later.
The query failed, possibly due to a server problem	Connection to DDICT sever not available.	Problem connecting to DDICT server. Exit and try later.
The query matched no items in database	N/A	No items were selected from the database.
Unable to open output file <filename>	Output file not available.	<filename> does not exist. Check its presence.
Cannot delete unknown type <database type>	No database access available.	Specify the correct database type.
Platform Editor will not be available	Cannot use the tool properly.	Configuration File Error. Use the correct Configuration File with entries for Platform Editor.
Sensor Editor will not be available	Cannot use the tool properly.	Configuration File Error. Use the correct Configuration File with entries for Sensor Editor.
Not available < List of items not available>	File is not available.	Configuration File Error. Use the correct Configuration File with all the entries required
No file specified. Please select or type a file name	File not available.	A filename has not been specified. Select the proper filename.
<filename> does not exist. Please try again	File not available.	File selected does not exist. Select a file that is present.
Unable to access <filename>. Please try again.	File not accessible.	Cannot access the file specified. Check the presence of the file specified.
<filename> is a directory. Please also specify a file.	File not available.	File selected does not exist. Specify a filename instead of the directory.

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<filename> is not a proper file. Please try again.	File not available.	File selected is not proper. Specify a proper filename.
<filename> already exists and will be overwritten. Do you want to continue?	A file will be overwritten.	Use of an existing file name. Use a different filename to avoid overwriting an existing file.
Value missing for required field. Please specify a value.	Cannot proceed with the action.	Improper entry in the desired field. Make a proper entry.
Elements in valids section of data file not understood	The data file is not usable.	The valids file is not correct. Use the proper valids file.
Elements in valids section of data file not understood	The data file is not usable.	The valids file is not correct. Use the proper valids file.

A.2.3   Interoperability Subsystem (IOS)

Table A.2.3-1 presents user interface messages for the Administration and Moderation Facility for the Earth Science Online Directory (ESOD).

Table A.2.3-1. Administration and Moderation Facility for the Earth Science Online Directory (ESOD) Tool User Messages (1 of 6)

Message Text	Impact	Cause and Corrective Action
Failed when fetching product.	Users will not be able to see a descriptive detail of the chosen product-type ad.	See the error log on the server side for more details. Usually, this has to do with retrieving data from the database.
You do not have the required permission to do this.	Prevent the users from completing a task that requires security check up.	Check to make sure that the user does have permission privileges to perform the current task. Usually, the user is trying to perform a Moderator or Esod Administration task.
You do not have authorization to view requests from this group. You need to be on DCE Access Control List for the DCE resource named.	Same as above.	Same as above.
Advertising server is currently down.	Users are not able to make queries.	Check to see if the EcIoAdServer is up, running, and listening.
DCE Exception occurred.	Unable to perform the current query.	Check the server's log to determine what type of DCE exception happened.
Exception raised.	Unable to perform the current query.	Usually, this is not a DCE exception or problem within the Advertising Service. Check the server's log, client's log, and Netscape Enterprise Server's logs for any detail.
<FieldName> cannot be empty. Please fill in this field.	Unable to submit the current query.	Check to make sure that all the "REQUIRED" fields on the form have been filled in.

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Message Text	Impact	Cause and Corrective Action
An error has occurred while opening or reading the config file.	Unable to perform the current query.	Usually, check to see if the file IoAdHtml.cnfg is in /usr/ecs/<MODE>/CUSTOM/data/IOS.
Unable to open file for appending javaScript.	Unable to perform the current query.	Depends on what type of advertisement you are trying to submit. Check to see if (choose the one that fits you) any of the following parameters exist and are valid in /usr/ecs/<MODE>/CUSTOM/data/IOS/IoAdSiteSpecific.cnfg CreateProductIntro, CreateTemplateIntro, CreateContactIntro, CreateServiceIntro, CreateWebServIntro, CreateInstServIntro, CreateProviderIntro
Internal error has occurred. Invalid Approved Adv.	Unable to perform the current query.	The current ad is not an approved ad.
Internal error has occurred. Unable to create view using builder.	Unable to perform the current query.	The current ad is not an approved ad.
Internal error has occurred. Unknown action specified.	Unable to perform the current query.	The action specified is neither update, create, or delete.
Error: Permission Denied	Unable to perform the current query.	Users do not have the appropriate permission to perform the task.
Error: Cannot install service	Unable to access the installation form for a given service.	Check to see if the file /usr/ecs/<MODE>/CUSTOM/data/IOS/IoAdSiteSpecific.cnfg contains "ShowInstallForm" parameter.

Message Text	Impact	Cause and Corrective Action
No groups to select from	Unable to perform the current query.	User forgot to select a group for a given ad.
No requests to display.	None	There are no requests in the queue currently to display. (This user has to be a Moderator or an Admin in order to see the requests.)
Error Fetching Request.	Unable to see any requests.	Check the server's log for more information.
Discarding request (ID: <some id>) failed	Unable to reject a request.	Check the server's log for more information.
Your request of <request type> has been discarded due to another request related to your ad has been approved.	N/A	N/A
Unable to send email to the <person name>.	The person who was supposed to receive an email is either a moderator or a contributor of an ad. Therefore, one of them is not going to receive a notification email relating to an ad.	Check to make sure that both the email addresses of the moderator and the contributor are valid.
Send email to <personTitle>: <personEmail> is an invalid email address.	See above.	See above.
Authentication failure.	Unable to perform the current query.	This user's DCE login is invalid.
Description file URL not specified.	Unable to perform FTP.	Check to see if the ftp URL is present for this product ad in order to download the long template.
Unable to transfer description file.	The FTP process is interrupted.	While downloading, an error occurred. Check the server's log for more information.

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Message Text	Impact	Cause and Corrective Action
Unable to open description file: <file name>.	Unable to perform the current query.	Check to see if the <file name> exists.
Cannot find parameter: "Title".	Unable to perform the current query.	Check to see if "Title" is included in the long template for the submission of a product ad.
Cannot find parameter: "Provider".	Unable to perform the current query.	Check to see if "Provider" is included in the long template for the submission of a product ad.
Cannot find parameter: "Description".	Unable to perform the current query.	Check to see if "Description" is included in the long template for the submission of a product ad.
Invalid value(s) for Bounding Rectangle.	Unable to perform the current query.	Check to see if the values specified or Bounding Rectangles are valid.
Invalid action specified.	Unable to perform the current query.	Action specified is neither update, delete. or create.
Unable to create Ad View using builder.	Unable to perform the current query.	Invalid class Id. On the web page, look at the document source and make sure that the class Id is set to any of the following values: 10:ad.product, 10:ad.service, 15:ad.service.mime, 15:ad.service.inst, 14:ad.service.sig, 11:ad.provider
Specified ID: <adId> does not exist.	Unable to perform the current query.	The advId specified is an invalid one (not in the database).
Comments to Moderator cannot exceed 255 characters.	Unable to perform the current query.	Make the comments to the moderator shorter.

Message Text	Impact	Cause and Corrective Action
Internal error has occurred. Invalid action specified.	Unable to perform the current query.	Action specified is neither update, delete, or create.
Unable to open file for appending Intro Section: <File Name>.	Unable to perform the current query.	Check if <File Name> exists.
File doesn't exist.	Unable to perform the current query.	Check if /usr/ecs/<MODE>/CUSTOM/data/IOS/IoAdHtml.cnfg exists.
An error has occurred while opening or reading the config file.	Unable to perform the current query.	Make sure that the file /usr/ecs/<MODE>/CUSTOM/data/IOS/IoAdHtml.cnfg exists.
Internal error has occurred. Unable to build view; Unknown classId.	Unable to perform the current query.	Invalid classId. On the web page, look at the document source and make sure that the classId is set to any of the following values: 10:ad.product, 10:ad.service, 15:ad.service.mime, 15:ad.service.inst, 14:ad.service.sig, 11:ad.provider
Group should be selected.	Unable to perform the current query.	Make sure a group is selected.
No such group as specified.	Unable to perform the current query.	The group specified is not in the database.
Internal Error has occurred.	Unable to perform the current query.	Check the server's log.
Exception raised: Please contact your System Administrator.	Unable to perform the current query.	Check the server's log.
Fetching Adv: No such Adv as specified.	Unable to perform the current query.	The advId specified is not in the database.
Fetching Adv: Permission denied.	Unable to perform the current query.	Users do not have appropriate permissions to perform this task.

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Message Text	Impact	Cause and Corrective Action
Initialization problem.	Unable to communicate with the Advertising Server.	Check the obj.conf of the Netscape Enterprise Server to see if "MODE" and "CONFIG_PATH" environment variables are set.
Duplicate Advertisement.	Unable to submit an ad.	Exactly the same ad already exists in the database.
Error occurs when storing Request..	Unable to submit a request.	Check server's log for more information.
An error occurs when fetching group. Please review the error logs for more details.	Unable to perform the current query.	Check the server's log for more information.
An error occurs when counting. Please review error logs for more details.	Unable to perform a search request.	Check the server's log for more information.
Error occurs when fetching data.	Unable to perform the current query.	Check the server's log for more information.
An error occurs when search all requests for this group.	Unable to perform the search.	Check the server's log for more information.
Duplicate Advertisement for request.	Unable to submit this request.	This request for creating a new ad is a duplicate of an ad that already exists in the database.
Permission denied for request.	Unable to perform the current query.	Users do not have the appropriate permissions.
Error occurs when accepting request.	Unable to approve an ad.	Check the server's log for more information.
Request fetch failed for request <RequestID>	Unable to see a request. (This is a moderator's task.)	Check the server's log for more information.
Error occurs when rejecting request.	Unable to reject an ad.	Check the server's log for more information.

A.2.4   Data Server Subsystem (DSS)

Tables A.2.4-1 through A.2.4-2 present user interface messages for the Science Data Server Operator GUI, the Data Distribution Operator GUI.

Table A.2.4.-1. Science Data Server Operator GUI User Messages

Message Text	Impact	Cause and Corrective Action
No Selected Request – Please select one.	No operations on request will be performed.	Select a current request.
Descriptor Information not Available.	Information on a particular descriptor file is not available.	Could generally happen because ESDT was installed from a different directory. Copy descriptor to original place.
Science Data Server Not Found.	No operations will be possible.	Bring Science Data Server up.
Possible Server Connection Error – Try Reconnecting.	A connection to the Science Data Server is not possible.	Try clicking on the Refresh/Reconnect button under the Data Type tab.
Datatype Successfully Added.	Datatype will be ready to be used.	None
Failure to Add Datatype.	Datatype will not be available for use.	Check error logs, fix the error, and try again.
Failure to Load Descriptor File.	Information on Descriptor File will not be available.	Look for file in original installation directory.
Changing Request Priority – Please wait…	Request priority is being changed.	Informational message only. No corrective action is needed.

Table A.2.4-2.   Data Distribution Operator GUI User Messages (1 of 2)

Message Text	Impact	Cause and Corrective Action
DDist Refresh Failure.	DDist Refresh Error. Dialog Message GUI was not able to get new request list from server.	Check the database with Mode. Check the DBOverride in the Configuration File.
DDist Mark Shipped Failure.	GUI received failure from server. Request was not marked shipped.	Check request state. This may not be a valid operation. Check for DDist Server running.
DDist Set Priority Failure.	GUI received failure from server. Request set priority failed.	Check request state. This may not be a valid operation. Check for DDist Server running.
DDist Cancel Failure.	GUI received failure from server. Request was not canceled.	Check request state. This may not be a valid operation. Check for DDist Server running.
DDist Resume Failure.	GUI received failure from server. Request was not resumed.	Check request state. This may not be a valid operation. Check for DDist Server running.
DDist Resume All Failure.	GUI received failure from server. Requests were not resumed.	Check request state. This may not be a valid operation. Check for DDist Server running.
DDist Suspend Failure.	GUI received failure from server. Request was not suspended.	Check request state. This may not be a valid operation. Check for DDist Server running.
DDist Suspend All Failure.	GUI received failure from server. Requests will not be submitted in aSuspendAll state.	Check for DDist Server running.
No DDist request selected. Please select one.	An operation was performed without selecting a request from the Scrolled list.	Select a request from the list, then retry the operation.
Invalid text field entry	Invalid data was entered.	Reenter valid data and retry operation.
Cannot create the DsDdDistRequestList	The Request List was not created.	Select Refresh to try again. Check the database with Mode.

Message Text	Impact	Cause and Corrective Action
DsDdRequestMgrC create handle error.	Error cannot create request Manager Handle to the Data Distribution Server.	Select Refresh to try again. Check the database with Mode.
Cannot create connection pool.	Attempt to create connection pool to database failed.	Select Refresh to try again. Check the database with Mode.
Cannot get a dbInterface connection pool.	Attempt to get a dbInterface from connection pool to database failed.	Select Refresh to try again. Check the database with Mode.
DsDdRequestMgrC Mark Shipped Failure.	GUI received failure from server. Request was not Mark Shipped.	Check request state. This may not be a valid operation. Check for DDist Server running.
DsDdRequestMgrC Set Priority Failure.	GUI received failure from server. Request priority was not changed.	Check request state. This may not be a valid operation. Check for DDist Server running.
DsDdRequestMgrC Cancel Failure.	GUI received failure from server. Request was not canceled.	Check request state. This may not be a valid operation. Check for DDist Server running.
DsDdRequestMgrC Resume Failure.	GUI received failure from server. Request was not resumed.	Check request state. This may not be a valid operation. Check for DDist Server running.

A.2.5   Ingest Subsystem (INS)

Table A.2.5-1 describes the user interface messages for the Ingest Operator GUI.

Table A.2.5-1. Ingest Operator GUI User Messages (1 of 5)

Message Text	Impact	Cause and Corrective Action
Media Type needs to be set.	Without this information, media ingest can not be submitted.	Select a media type from the Media Type combo box.
Stacker ID needs to be specified.	Without this information, media ingest can not be submitted.	Enter stacker id in the Stacker ID field.
Stacker Slot ID needs to be specified.	Without this information, media ingest can not be submitted.	Enter stacker slot id in the Stacker Slot ID field.
Data Provider ID needs to be provided.	Without this information, media ingest can not be submitted.	Select a data provider from the Data Provider combo box.
Data Provider is not authorized for ingest.	Unable to perform Media Ingest for this data provider.	Resolve the issue with this data provider.
Volume ID is empty.	Without this information, media ingest can not be submitted.	Enter media volume id in the Media Volume ID(Barcode) field.
Data Delivery Record location needs to be specified.	Without this information, media ingest can not be submitted.	Click on one of two provided Data Delivery Record File Location.
Data Delivery Record filename needs to be specified.	Without this information, media ingest can not be submitted.	Enter data delivery record filename in the Data Delivery Record File Name field.
Can not obtain new request id from database.	Without this information, media ingest can not be processed.	Ask DBA to correct this problem.
Unable to allocate a media device.	Without the allocation of the media device, media ingest can not be processed.	Make sure the device driver has been brought up in the sudo mode.
Unable to request mount media service.	Without the mount, media ingest can not be processed.	Inform Storage Management personnel to correct this problem.
Can not obtain Data Delivery Record file.	Without the data delivery record file, media ingest can not be processed.	If the data delivery record is embedded in media, make sure the staging disk has been created to receive the file. If the data delivery record in on network, make sure the ftp network is OK.

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Table A.2.5-1.   Ingest Operator GUI User Messages (2 of 5)

Message Text	Impact	Cause and Corrective Action
Unable to copy data files to staging disk.	Without the data files, media ingest can not be processed.	Make sure the staging disk has been created to receive data files and there is enough disk space on the system.
Dismount media failure.	Media ingest can not be processed.	Inform Storage Management personnel to correct this problem.
Deallocate device failure.	Media ingest can not be processed.	Inform Storage Management personnel to correct this problem.
Unable to process the request.	Media ingest can not be processed.	Make sure Request Manager server is up and ready to receive the request.
Media Ingest Request completed.	N/A.	N/A.
Unable to obtain data provider list.	"Modify External Data Provider/User Information" screen can not be used to update InExternalDataProviderInfo table.	Ask DBA to correct this database problem.
Update is not allowed without password confirmation.	Unable to perform password update.	Click on password confirmation OK button to perform password confirmation prior to password update.
Invalid Old Password.	Unable to perform password confirmation.	Re-enter the correct old password.
New password does not match what was originally typed.	Unable to perform password confirmation.	Re-enter the correct new password.
Unable to obtain the system information.	"Modify System Parameters" screen can not be used to update the InSystemParameters table.	Ask DBA to correct this database problem.

Message Text	Impact	Cause and Corrective Action
Can not obtain selected data provider information.	"Modify External Data Provider/User Information" screen can not be refreshed with the updated information.	Ask DBA to correct this database problem.
Volume Threshold exceeds the system volume threshold.	Can not update InExternalDataProviderInfo table for the specified data provider.	Make sure the new volume threshold entered does not exceed the allowed system volume threshold.
Request Threshold exceeds the system request threshold.	Can not update InExternalDataProviderInfo table for the specified data provider.	Make sure the new request threshold entered does not exceed the allowed system request threshold.
Can not update selected data provider information.	Can not update InExternalDataProviderInfo table for the specified data provider.	Ask DBA to correct this database problem.
Can not update the system threshold information.	Can not update InSystemParameters table with new values.	Ask DBA to correct this database problem.
SMC History File Build Failed.	Unable to build SMC history file.	Ask DBA to correct this database problem.
Destination MUST be provided.	Can not perform file transfer.	Enter transfer destination in the Transfer Destination field.
Select new file and push the file selection OK button.	Can not perform file transfer.	Enter new file in the Selection field.
Destination MUST be host/path (e.g. kodiak/tmp).	Can not perform file transfer.	Correct the destination syntax error.
FTP failed.	File failed the ftp file transfer.	Make sure FTP connection is OK.
Value entered is not a valid integer.	Unable to monitor/control the specified request ID.	Re-enter a valid integer request ID.

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Message Text	Impact	Cause and Corrective Action
Unable to obtain the data provider list.	Unable to build the list for Data Provider combo box on Monitor/Control screen.	Ask DBA to correct this database problem.
No data matching search criteria.	Unable to display the request text view information for the search criteria.	Ask DBA to correct this database problem.
Data not found for search criteria.	Unable to display the request text view information for the search criteria.	Ask DBA to correct this database problem.
Can not read the request information file.	Unable to display request/granule text view information in the text browser.	Make sure the file permission is OK.
Priority Level needs to be set.	Unable to change the priority for the selected request.	Select the desired priority form the Priority combo box.
Unable to process request control.	Unable to perform the selected request control.	Make sure Request Manager server is up to receive the appropriate rpc call.
Request Control Status: Success.	N/A	N/A
Unable to obtain data provider list.	Unable to build the list for Data Provider combo box on History Log screen.	Ask DBA to correct this database problem.
Unable to obtain data type list.	Unable to build the list for Data Type combo box on History Log screen.	Ask DBA to correct this database problem.
Unable to obtain final request status list.	Unable to build the list for Final Request Status combo box on History Log screen.	Ask DBA to correct this database problem.
Invalid Stop Time.	Unable to display the History Log information.	Re-enter a valid stop time.
Invalid Start Time.	Unable to display the History Log information.	Re-enter a valid start time.
Invalid time interval.	Unable to display the History Log information.	Re-enter correct start and stop times, i.e., the stop time has to be after the start time.

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Table A.2.5-1.   Ingest Operator GUI User Messages (5 of 5)

Message Text	Impact	Cause and Corrective Action
Unable to read the history log.	Unable to display History Log information.	Make sure the file permission is OK.
Detail Level needs to be set.	Unable to display History Log information.	Click on the desired detail level toggle button.
Can not retrieve data based on search criteria.	Unable to display History Log information.	Ask DBA to correct this database problem.
Data not found for search criteria.	Unable to display History Log information.	Re-enter the search criteria.
Value entered is not a valid integer.	Unable to display History Log information.	Re-enter a valid integer value.
Invalid input value.	Unable to display History Log information.	Re-enter a valid input value.
RequestID selected is not a valid integer.	Unable to display granule level information.	Ask DBA to correct this database problem.
Can not obtain data type for selected RequestID.	Unable to display granule level information.	Ask DBA to correct this database problem.
Printer name is not specified.	Unable to print the currently displayed information.	Specify a valid printer name.

A.2.6 Communications Subsystem (CSS)

Table A.2.6-1 describes the user interface messages for the ECS Subscription Service User Messages.

Table A.2.6-1. ECS Subscription Service User Messages (1 of 4)

Message Text	Impact	Cause and Corrective Action
Failed to create subscription.	Edit subscription window will not be populated, therefore; user can not edit the subscription	If a subscription was not selected on the main screen and the user goes to edit window. Select a subscription and then go to edit window.
Refresh Subscription Failed.	Subscriptions will not be refreshed or fetched from the database	Subscription server may be down. Check to see if the Server is running and try again.
MSS server is not running, enter email address.	Can't get the user profile.	MSS user profile server that was suppose to provide the user's email address is not running. Enter the e-mail address manually.
Enter the Email Address (Message).	Can't talk to the MSS server.	MSS server is running but you can't get the information. Enter the email address manually.
Modification of qualifiers is not supported (Message).	Can't update the qualifiers of an existing subscription.	Update of qualifier is not implemented.
Couldn't connect to the server.	Event Browser will not come up.	Event server is down. Need to get the server running.
Error refreshing events.	Event Browser will not come up.	Event server could be down. Need to get the server running.
Invalid Start Date.	Subscription will not be submitted.	User has entered an invalid start date for subscription. Re-enter and re-submit the subscription.
Fill all the fields on the form.	Subscription will not be submitted.	User didn't fill out all the required fields in the add subscription form. Fill in all the fields and re-submit the subscription.

Message Text	Impact	Cause and Corrective Action
Error in creating subscription.	Subscription will not be submitted.	Couldn't create the subscription with the user input. Try submitting it again and make sure the fields are filled in correctly
Error in submitting subscription.	Subscription will not be submitted.	Couldn't submit the subscription, server could be down. Check to see if the server is running properly.
There is no subscription to submit.	Subscription will not be submitted.	User tried submitting without creating a subscription.
Failed to create subscription.	Subscription will not be updated.	User didn't provide the right data to update a subscription.
Invalid expiration date.	Subscription will not be updated.	User entered an invalid expiration date for updating a subscription. Reenter the information
Couldn't update the selected subscription.	Subscription will not be updated.	Subscription server could be down.
Error Selecting Subscription.	Subscription will not selected.	User cannot select a subscription on the main screen. System may be down or slow.
Can't filter, collector is empty.	Filter subscription will not display requested information.	User tried filtering the subscription and it didn't happen. There might be some problem with the database or the server could be down.
Must fill in valid Event ID.	Subscription will not be deleted.	User tried to cancel a subscription for a particular event and didn't enter anything in Event ID field. Enter a valid event ID and try again.

Table A.2.6-1. ECS Subscription Service User Messages (3 of 4)

Message Text	Impact	Cause and Corrective Action
Must fill in User ID field.	Subscriptions will not be deleted.	User tried to cancel a subscription for a particular user and didn't enter anything in the User ID field. Enter a valid user ID and try again.
Must fill in proper date.	Subscriptions will not be deleted.	User tried to cancel a subscription expiring on a particular date and didn't enter anything in date field.
Must select a category to delete events from.	Subscription will not be deleted.	User tried to delete a subscription and didn't select event, user or expiration date.
Error in canceling the subscriptions.	Subscription will not be deleted.	There was some error in canceling the requested subscription. Server could be down.
Enter the passwords again.	Action for the subscription will not be created.	User didn't enter the same password twice for verification. Enter the information again.
Must fill in user profile.	Action for the subscription will not be created	User didn't enter the user profile information in the Action window.
Must fill in all the required fields.	Action for the subscription will not be created.	User didn't fill out all the required fields in the Action window. Re-enter the information.
Must choose a distribution method.	Action for the subscription will not be created	User didn't choose a distribution method for Action
Couldn't get the Event ID.	Selection of an event from the browser failed.	User didn't select an event from the event browser. Go to the browser and select an event for creating a subscription.
Must fill in operator and value fields to add.	Subscription will not have qualifiers.	User didn't fill in operator and value to add to the qualifier list.

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Message Text	Impact	Cause and Corrective Action
Couldn't select qualifiers.	Can't build a qualifier list for the subscription.	User didn't select a qualifier from the list. Select a qualifier from the provided list before adding operators to it.
Could not create a known subscription to delete.	Subscription will not be deleted.	Selected subscription for deletion could not be created again. Server could be down or there could be a database problem.
Unable to get the event server ur.	Couldn't connect to the event server.	Event server could be down.
Unable to get the Subscription server ur.	Couldn't connect to the subscription server	Subscription server could be down.
Unable to connect to Subscription Server.	Can't Initialize the GUI for start up.	Server is down.
Make sure you have logged into dce and the subscription server is running.	GUI can't come up.	User either didn't do a dce_login or the server is not up yet.

A.2.7   Management Support Subsystem (MSS)

Tables A.2.7-1 through A2.7.4 describe the user interface messages for ECS User Account Management, ECS Order Tracking, MIB Browser, and Trouble Ticket.

Table A.2.7-1. ECS User Account Management User Messages (1 of 3)

Message Text	Impact	Cause and Corrective Action
Can Not Connect To The Server. Try again later.	None.	When: Retrieving request user. Action: Start up the User Profile Server
Can Not Connect To The Server. Please check DCE login.	None.	When: Retrieving request user Action: Login to DCE.
No data found in the database.	None.	When: Retrieving No register users for this particular HOME DAAC. Action: None.
The DCE Password, DCE Group, and DCE Organization,V0GW password, and Gate Way User Type can not be Empty.	None.	When: Creating a user profile Action: Add all fields required.
Create Register User Failed Please check log file for error.	None.	When creating user profile. Action: Check log file. Possible problems may come from Sybase or DCE failed.
Delete request user failed.	None.	When: Deleting request user. Action: check log file. Possible problems may come from Sybase or DCE failed.
Update Failed for Register User Please try again.	None.	When: Updating the request user. Action: Check log file. Possible problems may come from Sybase or DCE failed.
The First Name, Last Name, Telephone number and Email Address can not be Empty.	None.	When: Creating user profile. Action: Enter information in all fields required.

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Table A.2.7-1. ECS User Account Management User Messages (2 of 3)

Message Text	Impact	Cause and Corrective Action
Insert has failed for Regist User, Please try again.	None.	When: Creating user profile. Action: Check log file. Possible problems may come from Sybase or DCE failed.
Delete failed for Register User Please try again.	None.	When: Deleting a request user. Action: Action: Check log file. Possible problems may come from Sybase or DCE failed.
Can Not Connect To The Server. Try again later.	None.	When: Retrieving user profile Action: Start up the User Profile Server.
Can Not Connect To The Server. Please check DCE login.	None.	When: Retrieving user profile. Action: Login to DCE
No data found in the database.	None.	When: Retrieving user profile and no users for this particular HOME DAAC. Action: None.
Update Failed for profile database Please try again.	None.	When: Updating the user profile. Action: Check log file. Possible problems may come from Sybase or DCE failed.
DCE password textfield is empty. The password is not updated.	None.	When: Updating DCE password. Action: Add DCE password.
DCE cell admin password can not be empty.	None.	When: Login to DCE administrator. Action: Add DCE admin password.

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Message Text	Impact	Cause and Corrective Action
Change DCE password Failed Please try again.	None.	When: Changing DCE password. Action: Check log file. Possible problems may come from Sybase or DCE failed.
V0 GateWay password is empty. The password is not updated.	None.	When: Updating V0 gateway password Action: Add V0 gateway password.
Change V0 GateWay password Failed. Please try again.	None.	When: Changing V0 gateway password. Action: Check log file. Possible problems may come from Sybase or DCE failed.
Delete failed for profile database Please try again.	None.	When: Deleting a user profile. Action: Check log file. Possible problems may come from Sybase or DCE failed.
Update Failed for profile database. Please try again.	None.	When: Updating a user profile. Action: Check log file. Possible problems may come from Sybase or DCE failed.
No e-mail address.	None.	When: Changing Aster category or deleting DAR privilege. Action: Add e-mail address in the configuration file.

Table A.2.7-2. ECS Data Order Tracking User Messages (1 of 2)

Message Text	Impact	Cause and Corrective Action
No requests found for the order.	None.	When: User retrieves the request with a specific order.
Unable to read from the Request Database. Try again later.	None.	When: Retrieving request. Cause: DCE, network, or Order server failed.
Unable to read from the Order Database. Try again later.	None.	When: Retrieving Orders. Cause: DCE, network, or Order server failed Action: Check log file to determine the reasons.
No orders were found.	None.	When: retrieving order with specific order ID
Please select a request first.	None.	When: Updating or deleting a request Action: Click on a request.
No orders match the request ID.	None.	When: Retrieving an order with a request ID.
The order is no longer in the database.	None.	When: Retrieving an order with an order ID.
Please select an order first.	None.	When: Deleting, updating, or viewing shipping information. Action: Click on an order.
Unable to read from the Request Database.	None.	When: Retrieving orders. Cause: DCE, network, or order server failed. Action: check log file to determine the reasons.

Table A.2.7-2.   ECS Data Order Tracking User Messages (2 of 2)

Message Text	Impact	Cause and Corrective Action
Please delete the corresponding requests first!	None.	When: Deleting an order. Cause: The order to be deleted has some requests associated with it. Action: Delete the requests first, and then delete the order.
Unable to delete order in the Order Database. Try again later.	None.	When: Deleting an order. Cause: DCE, network, or order server failed. Action: Check log file to determine the reasons.
Unable to delete request in the Order Database. Try again later.	None.	When: Deleting a request. Cause: DCE, network, or Order server failed. Action: Check log file to determine the reasons.
Server error, can not update order.	None.	When: Update an order. Cause: DCE, network, or order server failed. Action: Check log file to determine the reasons.

Table A.2.7-3.   MIB Browser User Messages (1 of 4)

Message Text	Impact	Cause and Corrective Action
Error: The variable has general error.	Cannot monitor ECS application resources.	The target host failed to process a SNMP request correctly.
Error: The variable is read only.	Cannot modify ECS application resource settings.	A write attempt was made to a SNMP variable using a MIB view (controlled by community string) that permits read-only type SNMP requests.
Error: The variable has bad value.	Cannot modify ECS application resource settings.	A SNMP Set request value was outside the permitted range of values for this variable.
Error: There is no such variable name.	Cannot monitor ECS application resources.	The SNMP variable requested is not supported by the target host.
Error: NULL returned pdu.	Cannot monitor ECS application resources.	There is a failure in processing the SNMP request at the target machine. Try again.
No value(s) returned for query.	Cannot monitor ECS application resources.	A SNMP response was received for the request. However, the target machine failed to properly construct a SNMP reply.
Query Stopped.	Cannot monitor ECS application resources.	The SNMP query was terminated by the operator by pressing the Stop Query button on the MIB Browser application.
Timed Out: No response arrived before timeout. Possible causes include invalid community name, etc.	If the community name was incorrect, the SNMP agent will also respond with an SNMP trap indicating an authentication failure. This trap is received by HP OpenView and di8splayed in the trap log but not in the MIB Browser.	Ask the SA for the proper community name and reenter it in the community text field.

Message Text	Impact	Cause and Corrective Action
SNMP query PDU composed error.	Cannot monitor ECS application resources.	There was a problem assembling a SNMP request on the HP OpenView platform.
Missing MIB Object ID.	Cannot monitor ECS application resources.	Request requires object ID. Enter OID or MIB object text string in the MIB object ID field.
Nothing to MIB Set.	Cannot modify ECS application resource settings.	The setting of MIB variables requires that a MIB variable be selected. The instance and value fields will be populated once the MIB object has been selected.
You must first specify a node or IP address.	Cannot monitor ECS application resources.	This information is needed for selecting a target host for a SNMP query.
Leaf node has no children.	None. (informational message).	When navigating down the MIB tree, the leaf nodes will eventually be reached. At this point, the user can go no further.
Invalid MIB Instance.	Cannot monitor ECS application resources.	The instance identifier associated with a SNMP query was not valid. Check for valid instances by starting a query from the parent node of the MIB variable.

Message Text	Impact	Cause and Corrective Action
Missing Instance value for < > OID.	Cannot monitor ECS application resources.	The instance of a MIB variable must be selected for setting. The instance differentiates rows in the MIB table. For example, a host might have several network interfaces. Each interface resource represented by a MIB variable will have an instance associated with it.
You must select only one node on the Ovw map.	Cannot monitor ECS application resources.	A target host can be selected from the OV map by highlighting its icon. Only one target host can be selected for a query at a given time.
You must first select a node on the Ovs map.	Cannot monitor ECS application resources.	The target host name for an SNMP query must appear in the Name or IP Address field. A target host can be entered manually or selected from the OV map by highlighting its icon.
Invalid object identifier:	Cannot monitor ECS application resources.	The OID entered in the MIB Object ID field is not supported by any installed MIB in OpenView. Check to see that the OID was properly entered.
ECS enterprise MIB %s not found.	Cannot monitor ECS application resources.	There was a problem loading the ECS MIB. The MIB browser cannot run properly without this MIB. Check to see that the ecs-mib is pointed to by the ECSMIB_PATH or OV_SNMP_MIBS environment variable.

Table A.2.7-3. MIB Browser User Messages (4 of 4)

Message Text	Impact	Cause and Corrective Action
Could not parse string <integer> value.	Cannot modify ECS application resource settings.	When setting MIB variables in the Set Value field, only integer values are permitted.
Can't convert MIB variable name < > NAME to OID.	Cannot monitor ECS application resources.	MIB objects can be entered using their string names, which are converted to their OID mappings for SNMP packet construction. The mapping function has failed if this message appears. Check the spelling of this MIB string and re-enter the proper name.
Could not open SNMP session to < > HOST.	Cannot monitor ECS application resources.	The target host could not be reached.
SNMP query failed: < > ERROR.	Cannot monitor ECS application resources.	There was a failure in sending the SNMP request on the management side for the given reason.

Table A.2.7-4.   Trouble Ticket User Messages

Message Text	Impact	Cause and Corrective Action
Error- There has been an error in the Trouble Ticket service.	The user is prevented from logging a Trouble Ticket.	Check to see if the Remedy Server is running or not. If the Remedy Server is running, then check to see if the MsTtHTML.config file with the macro call RemedyServerHost is assigned with the appropriate hostname where Remedy Server resides.
There has been an error communicating with the Profile Server.	The user is prevented from logging a Trouble Ticket.	Check to see if the Accountability Server is running, if not running bring up the Accountability server else, check the MsTtHTML.config file with the macro Site and Mode to see whether the correct assignment to these macro that is related to the accountability server.
ERROR- There has been an error in locating filetype *.config = configuration. Call system admin in regard to FileType: MsTtHTML.config- Mode = SHARED	The user is prevented from logging a Trouble Ticket.	Make sure that the MsTtHTML.config file is installed in the path of /usr/ecs/SHARED/CUST OM/cfg.
ERROR- There has been an error in locating filetype *.config = configuration Call system admin in regard to FileType: MsTtEnviro.config - Mode = SHARED.	The user is prevented from logging a Trouble Ticket.	Make sure that the MsTtEnviro.config file is installed in the path of /usr/ecs/SHARED/CUST OM/cfg.
Access denied. You can only access Trouble Ticket using a valid user id.	The user is prevented from logging a Trouble Ticket.	Use the Accountability User's Registration Tools (GUI) to create an account in to the Profile database.

Table A.2.7-5.   ECS Assist Messages

Message Text	Impact	Cause and Corrective Action
No Clearcase component available for: Mode: XXXX Subsystem: YYYY	Preparation for installation will not proceed.	Caused by incorrect input provided during the preparation for installation of Subsystem YYYY in Mode XXXX

A.2.8   Planning Subsystem (PLS)

Tables A.2.8-1 through A.2.8-5 describe user interface messages for Resource Definition, Resource Scheduler, Planning Workbench, Production Request Editor, and Production Strategy.

Table A.2.8-1.   Resource Definition User Messages (1 of 2)

Message Text	Impact	Cause and Corrective Action
Resource name required.	No name, no resource gets generated.	Enter a resource name.
A resource with this name already exists - re-enter name.	Name must be unique in the database.	Choose a different name.
Strings should be selected.	Autosys requires, during creation, that a string name to be associated.	Select and associate a String.
Resource is reserved - cannot modify.	This resource is reserved by the Resource Scheduler GUI.	Leave that resource alone. Another option: Use the Resource Scheduler to change the status or delete the reservation.
Unable to lock Resource tables - cannot modify resource.	The resource or its member resource is being used by the Processing software.	Decide not to modify this resource. Another option: Wait until the resource is released.
Number of cpus required.	This is a required field.	Enter a value.
Total ram required.	This is a required field.	Enter a value.
Operating system required.	This is a required field.	Enter the required information.
Number of cpus must be an integer number.	Non-numeric data are not valid.	Enter an integer.

Table A.2.8-1.   Resource Definition User Messages (2 of 2)

Message Text	Impact	Cause and Corrective Action
Total ram must be an integer number.	Integer only	Enter an integer.
Error saving computer resource.	The operation failed maybe because of an error in the database interface.	Check the database status.
Error saving computer resource comments.	Database interface error	Check the database status.
Error modifying computer resource.	DB I/F error	Check the database status.
Error modifying computer resource comments.	DB I/F error	Check the database status.
Unable to lock Resource tables - cannot delete resource.	The resource or its member resource is being used by the Processing software.	Do not delete this resource. Another option: Wait until the resource is released.
Partition Size required.	This is a required field.	Enter the required information.
Block Size required.	This is a required field.	Enter the required information.
Partition Size must be a number – reenter.	Integer only	Use an integer.
Block Size must be an integer number – reenter.	Integer only	Use an integer.
Activity Type is Not initialized.	Without this field initialized, the Save operation gets rejected.	Slay all the Resource Planning tasks, run the initialization sql script, and restart RP tasks.
Select a resource to modify from the list.	The selected resource should be one of the defined resources.	Select a list item.
Resources loaded.	The resources list has been loaded from the MSS baseline configuration.	N/A (informational message).
Resources not loaded - file not found.	The MSS baseline configuration file is not found in the previously designated directory.	Check with MSS about the location of the file.

Table A.2.8-2.   Resource Scheduler User Messages (1 of 2)

Message Text	Impact	Cause and Corrective Action
This Name: < > with status: < > has been used, Please pick another Name.	The reservation name must be unique.	Choose a different name.
New Resvation can't leave resources list of ResvName: < > empty.	This required field must be filled.	Enter the name.
Can't insert new ResvName: < > into database.	The database cannot be updated.	Database error.
resvName: < > status is changed to < >.	Informational message.	N/A
resvName: < > can't replace new Interval List.	The database cannot be updated.	Use a unique name.
resvName: < > can't replace new Resource List.	The database cannot be updated.	Database error.
Success to update resvName: < >name.	Informational message.	N/A
Fail to modify resvName: < > .	The database cannot be updated.	Database error.
ResvName: < > Selected Intervals list can't be empty.	This required field must be filled.	Enter name.
ResvName: < > Selected Resources list can't be empty.	This required field must be filled.	Enter name.
ResvName: < > accepts new resources list.	Informational message.	N/A
ResvName: < > resource list is less now.	Informational message.	N/A
I can't find < Plan Name >.	There is a problem with the resource pool.	Enter valid name.
resvName: < > fails to approve - status is changed to < >.	The plan will not get approved.	Conflict with another reservation. Rework.

Table A.2.8-2. Resource Scheduler User Messages (2 of 2)

Message Text	Impact	Cause and Corrective Action
resvName: < > myTime: < > resourceName: < > conflicted Time: < > conflictResvName: < >.	Informational message.	N/A
PlRpSiScheduler::modifyReservation - can't save new info for resvName: < >.	The database cannot be updated.	Database error.
can't send requestActChg to resource model for resvName: < >.	The database cannot be updated.	Database error.
ResvName: < > can't uncommitted < > RactAlls.	The database cannot be updated.	Database error.
Delete ResvName: < > from the list.	The database cannot be updated.	Select from the list.
ResvName: < > already has status < >.	Action cannot be completed.	Choose a different action.
Success to approve reservation Name: < >	Informational message.	N/A
ResvName: < > status is changed from approved to committed.	Informational message.	N/A
Error in creating a new object for row: < >.	The database cannot be updated.	Database error.
Open one Reservation at a time, Please.	Reservation cannot be opened.	Close one reservation before opening another.
A Reservation must be selected to modify.	User cannot proceed.	Select a reservation.
A Reservation must be selected to delete.	User cannot proceed.	Select a reservation.
Must select reservation.	User cannot proceed.	Select a reservation.

Table A.2.8-3. Planning Workbench User Messages

Message Text	Impact	Cause and Corrective Action
You have already submitted the plan, <plan name> and this plan is currently active. Do you want to create a new plan?	If the operator has already submitted this plan for activation, PWB will not allow it to be submitted twice.	By answering "Yes" to dialog, PWB will create a new plan which the operator can use for re-planning. Alternatively, the operator can use an already existing plan to activate and replan.
You cannot reschedule with the current active plan. Do you want to create new plan to schedule production request(s) and to reactivate the plan?	Cannot replan under the same plan name.	By answering "Yes" to dialog, PWB will create a new plan which the operator can use for re-planning. Alternatively, the operator can use an already existing plan to activate and replan.
You need to save the current plan before you activate the plan!!!	Insures consistency between the database active plan and what actually gets activated	Press "Yes" in the dialog and the plan will be saved. Next time you try to activate, there will be no error message.
The following dpr jobs were failed when you activated the plan <plan name> <list of failed dprs, one per line> Do you want to recover the failed dpr jobs?	PWB detects that JobManagement has not received the dprs correctly. The operator needs to be aware that there is (are) failed jobs.	Press "Recover" and the failed jobs will be resubmitted.
Start Time must be less than Stop Time.	Improper time interval setting for plan activation	Enter a start time which is less than the stop time.
Date entered 'date that was entered' is invalid.	Improper time format.	Enter time in mm/dd/yyyy format.

Message Text	Impact	Cause and Corrective Action
Please specify production request to filter by.		Filter button acts on the pattern specified in the filter text entry area. Here, the user can filter all the production requests by the specified pattern.
Data Processing Request not open, Data Processing Request to be open must be selected.		Select a DPR from the DPR List first. Then open that DPR through the file menu.
Data Processing Request not open, Data Processing Request to be open must be selected.		Same as above
PlDpr Construct from Database Failed.		Select a DPR from the DPR List first. Then open that DPR through the file menu or using the keyboard Ctrl + O.
myDprPlProductionRequest Construct from Database Failed.		Write a NCR if this occurs.
myPlUserParametersCollection Construct from Database Failed.		Write a NCR if this occurs
Please select a Dpr you want to delete from the DPR List.		Select a DPR from the DPR List first. Then delete that DPR through the Edit menu or using the keyboard Ctrl +D
DPR Delete Failed.		Look at the messages in EcPIPREditor.ALOG file.
Do you want to delete this DPR "DPRID"?		Yes, will delete the DPR. No, will not delete the DPR
Production Request not saved, Production Request already exists.		Enter a new name for the production request and save the PR.

Message Text	Impact	Cause and Corrective Action
Production Request not saved, Production Request must have a name shorter than 20 characters before its saved.		Enter a PR name with less than 20 Characters.
Production Request not saved, Production Request must have a name before its saved.		Enter a new name for the production request and save the PR.
Production Request not open, Production Request to be open must be selected.		Select a PR from the PR List first. Then, open that PR through the file menu or using the keyboard Ctrl + O.
Production Request not open, Production Request to be open must be selected.		Select a PR from the PR List first. Then, open that PR through the file menu or using the keyboard Ctrl + O.
Environment variable PL_NEW not set.		Check the EcPlPREditor.CFG file for Pl_NEW . If it is not specified, add this line PL_New = New.
Unable to Initialize PlProductionRequest Pool.		Unable to read the PR table from the database.
Unable to Initialize PlPge Pool.		Unable to read the PGE table from the database.
Unable to Initialize PlDpr Pool.		Unable to read the DPR table from the database.
Production Request not saved, save Production Request first.		Before opening a new PR save the modified PR first.
Please select a PR you want to delete from the PR List.		Select a PR from the PR List first. Then, delete that PR through the Edit menu or using the keyboard Ctrl +D.

Message Text	Impact	Cause and Corrective Action
Please select a PR you want to delete from the PR List.		Select a PR from the PR List first. Then, delete that PR through the Edit menu or using the keyboard Ctrl +D.
Please select a PR you want to delete from the PR List.		Select a PR from the PR List first. Then, delete that PR through the Edit menu or using the keyboard Ctrl +D.
PR Failed - Need to include 1st orbit in the Orbit model.		Make sure that the 1st orbit information is in the database table Orbit model.
PR Failed - Read failure from PlOrbitModel.		Unable to read the Orbit Model table from the database.
PR Failed - Need to include 1st orbit in the Orbit model.		Make sure that the 1st orbit information is in the database table Orbit model
PR Failed - Read failure from PlOrbitModel.		Unable to read the Orbit Model table from the database
Write to Database of Production Request Failed.		Unable to write the data to the database.
Production Request Explosion into DPRs Failed, zero DPRs Generated.		Look at the messages in EcPlPREditor .ALOG file
Zero DPR Generated. Production Request Not Saved.		This may be a duplicate DPR . Also look at the EcPlPREditor .ALOG file
Production Request Explosion into DPRs ok. "NoOfDprs" DPR(s) Generated.		For information only. This display will show how many DPR(s) generated as part of the PR Explosion.
myPlPge Construct from Database Failed.		Write a NCR if this occurs.

Message Text	Impact	Cause and Corrective Action
myPlUserParametersCollection Construct from Database Failed.		Write a NCR if this occurs.
myPlProductionRequestInstance Construct from Database Failed.		Write a NCR if this occurs.
myPlPge Construct from Database Failed.		Write a NCR if this occurs.
SECURITY VIOLATION: no write permission.		User does not have the permission to save a production request.
Invalid Time is entered or End time is less than Begin Time.		Check the duration time from the PR Edit screen and make sure the time entered here is a valid time.
myPlUserParametersCollection Construct from Database Failed.		Write a NCR if this occurs.
Must select a PGE for Production Request before saving.		Open the PGE screen by clicking the mouse on PGE.. push button of the PR Edit screen. Then select a PGE from the PGE list and click on OK.
myPlUserParametersCollection Construct from Database Failed.		Write a NCR if this occurs.
myPlUserParametersCollection Construct from Database Failed.		Write a NCR if this occurs.
Production Request Delete Failed.		Unable to delete a PR from the database. Look at the messages in EcPlPREditor.ALOG file.
Production Request "PRNAME" Deleted; "NoOfDprs" DPR(s) deleted from the database.		For information only - to show how many DPR's associated with that PR,
Production Request Explosion into DPR(s) Failed.		Look at the messages in EcPlPREditor.ALOG file.

Table A.2.8-4. Production Request Editor User Messages (5 of 5)

Message Text	Impact	Cause and Corrective Action
Zero DPR Generated. Production Request Not Saved.		Look at the messages in EcPIPREditor.ALOG file.
Production Request Explosion into DPR(s) ok. "NoOfDprs" more DPR(s) Generated.		For information only - to show how many more DPR's generated for that PR,
Dpr Generation Incomplete for PR "PRNAME". Do you want to complete Dpr explosion?		Yes, will complete the DPR generation. No, will display another message that will show how many DPR's generated so far.
Do you want to delete this PR "PRNAME"?		Yes, will delete the PR. No, will not delete the PR.
"oOfDprs" Dpr(s) have previously been generated. Are you sure you want to delete this PR?		Yes, will delete that PR. No, will clear this message.

Table A.2.8-5. Production Strategy User Messages

Message Text	Impact	Cause and Corrective Action
Value out of range (0-10).		User must enter a value between 0 - 10.
Value out of range (0-100).		User must enter a value between 0 - 100.
Total Weight must be 100 - Normalize weights.		Click on the Normalize push button.
This StrategyID already exists.		Enter a new name for the Strategy ID.
Invalid StrategyID. Please enter a StrategyID.		User did not specify the Strategy ID. Enter a Strategy ID.
No StrategyID selected. Please select one.		Select a Strategy ID from the List.

A.2.9   Data Processing Subsystem (DPS)

Tables A.2.9-1 through A2.9-7 describe user interface messages for SSI&T Manager, SSAP Editor, PDPS/SSIT DB Update, Prohibited Function Checker, Process Control File Checker, Binary File Difference Assistant, and QA Monitor.

Table A.2.9-1.   SSI&T Manager User Messages (1 of 4)

Message Text	Impact	Cause and Corrective Action
DPATMGR_F_SYSTEM _ERR	GUI Internal Error. Some kind of system error has occurred.	Restart the GUI. If that doesn't work, check LogStatus file in the logs directory.
DPATMGR_F_CANT_O PEN_FILE or "DPATMGR_E_CANT_ OPEN_FILE or "DPATMGR_W_CANT_ OPEN_FILE	File Access Error. GUI cannot access the file necessary to complete the requested action. Different versions of the error indicate criticality (F = Failure, E = Error, W = Warning)	Check to make sure the file exists. Most file locations are defined in the PCF for GUI (in data/DPS/DpAtMgrInter nal.pcf) or in the configuration file (EcDpAtMgr.CFG).
DPATMGR_E_BAD_E NV_VAR	Environment Variable error. An environment variable used by the GUI is not set.	Check configuration file for the GUI (EcDpAtMgr.CFG) and make sure all environment variables have correct values.
"DPATMGR_E_CANT_ FIND_PROGRAM"	File Access Error. GUI cannot find the program the user has chosen to run.	Check to make sure the program exists given the current users path and the PCF (EcDpAtMgrInternal.pcf) . If program cannot be found, adjust the user's path or the PCF appropriately.
"DPATMGR_E_CANT_ FORK"	Called Program Error. Specified program cannot be started.	Check to make sure that the chosen program exists and can be run from the command line.
"DPATMGR_E_BAD_E XIT"	Called Program Error. Specified program returned a bad exit status upon completion.	Error is with called program, not the GUI itself. Check to make sure that the chosen program exists and the current version works appropriately.

Message Text	Impact	Cause and Corrective Action
"DPATMGR_E_PROGRAM_NOT_READY"	Called Program Error. Specified program cannot be executed.	Check to make sure the program exists given the current users path and the PCF (EcDpAtMgrInternal.pcf). If program cannot be found, adjust the user's path or the PCF appropriately.
"DPATMGR_W_INVALID_FILENAME"	Data Error. The filename specified in the PCF was invalid.	Check to make sure the program is correctly specified in the PCF (EcDpAtMgrInternal.pcf).
Unable to open database	Database Access Error. The Database used for the SSIT checklist (a UNIX file) cannot be opened.	Check the *.dir and *.pag files in the data directory. If they do not exist then the database has been deleted. Restart the GUI to recreate them.
Unable to create database	Database Access Error. The Database used for the SSIT checklist (a UNIX file) cannot be created.	Check permissions on the data directory to make sure that the GUI can write the *.dir and *.pag files that make up the database.
Error writing to database	Database Access Error. GUI failed to write to the Database used for the SSIT checklist (a UNIX file).	Check the *.dir and *.pag files in the data directory. If they do not exist or have been corrupted then the GUI will not be able to write to them. Restart the GUI (and delete files if corrupted) to recreate them.
Error reading from database	Database Access Error. GUI failed to read from Database used for the SSIT checklist (a UNIX file).	Check the *.dir and *.pag files in the data directory. If they do not exist then the database has been deleted. Restart the GUI to recreate them.

Message Text	Impact	Cause and Corrective Action
Database currently not open	Database Access Error. GUI expected database to be open and it was not. This should never happen.	GUI internal error that should not occur.
Database currently open	Database Access Error. GUI expected database to be closed and it was open. This should never happen.	GUI internal problem that should not occur.
Database open for reading only	Database Access Warning. Database used for the SSIT checklist (a UNIX file) only has read permission for the current user.	Check permissions on the data directory and the *dir and *.pag files to make sure that the GUI can write to them.
Missing DATABASE= specification or Missing CHECKLIST= specification"	Checklist File Error. The file that defines the SSIT Checklist has missing entries.	Check to make sure that the file defining the checklist (in the data directory) has entries for "DATABASE=" and "CHECKLIST=".
Error Allocation Memory	Memory allocation error. GUI has run out of memory.	Restart GUI. Note that anything started from the Tools menu will NOT have to be restarted.
Unable to open. . . .	File Access Error. File defined in the PCF could not be opened.	Check to make sure the logical ID entry 603 is correctly specified in the PCF (EcDpAtMgrInternal.pcf).
Unable to get log/checklist database qualifier	File Access Error. File entry defining the SSIT Checklist was missing or incorrect in the PCF.	Check to make sure the logical ID entry 603 is correctly specified in the PCF (EcDpAtMgrInternal.pcf).

Message Text	Impact	Cause and Corrective Action
Specified Checklist does not match the one in the database.	File/Database mismatch. Checklist database and the <checlklist>.database file are out of sync.	Either find the correct <checklist>.database file or remove *.pag and *.dir files and create new database. Need to restart the GUI in either case.
Error while closing file	File Access Error. Could not close the file that defines the Run menu on the GUI.	Make sure that file has not been corrupted or removed. Restart the GUI.
"….returned from….."	Program Error. Program selected from menu returned an error upon completion.	Error with the specified program. Check into specified program operation.

Table A.2.9-2.   SSAP Editor User Messages (1 of 8)

Message Text	Impact	Cause and Corrective Action
Cannot add new Assoc Collection.	Metadata Write Error. GUI could not write Associated Collection metadata to disk.	First check to make sure that Associated Collection was entered correctly. Correct any errors. If that doesn't fix the problem, check the LogStatus file in the logs directory for reason for the failure and take appropriate action to correct.
Cannot create a new SSAP. Verify name is valid.	User Error. SSAP name has special characters within it that are not allowed because information is saved as a file.	Correct SSAP name not to have special characters.
Refresh failed.	Connectivity Error. SSAP Editor could not connect to Data Server to get the information needed to refresh the screen.	Check to make sure that Data Server is up and functioning normally. If Data Server is alive and well, restart the GUI and then repeat the operation.

Message Text	Impact	Cause and Corrective Action
The current SSAP has been changed. Do you want to abort changes and work on another SSAP?	Informational. Current SSAP has changed and not been submitted to the Data Server and the user has selected a new or different SSAP.	Select Yes or No on the pop-up window.
Cannot select SSAP.	GUI internal error. The SSAP GUI has gotten out of sync with the Data Server.	Restart the GUI to synchronize the list of SSAPs with that kept at the Data Server.
Cannot open the Metadata information.	Connectivity Error. SSAP Editor could not retrieve the metadata information from the Data Server or the metadata retrieved is invalid.	Check to make sure that Data Server is up and functioning normally. If Data Server is alive and well, restart the GUI and then repeat the operation.
Cannot get metadata list.	Connectivity Error. SSAP Editor could not retrieve the metadata information from the Data Server or the metadata retrieved is invalid.	Check to make sure that Data Server is up and functioning normally. If Data Server is alive and well, restart the GUI and then repeat the operation.
Do you want to reset the SSAP including File list and Metadata?	Informational. User hit the reset button and the GUI is just confirming that action.	Select Yes or No on the pop-up window.
Cannot reset File List.	File Access Error. GUI cannot find the backup file for the current File List.	Reset action cannot be performed. User must either keep the current changes (to the File List) or re-select the SSAP to cancel all changes.
Cannot reset Metadata List.	File Access Error. GUI cannot find the backup file for the metadata.	Reset action cannot be performed. User must either keep the current changes (to the metadata) or re-select the SSAP to cancel all changes.

Message Text	Impact	Cause and Corrective Action
Metadata has changed without saving. Please save or reset.	User Error. User changed the Metadata for the SSAP and did not save it before attempting to submit to the Data Server.	User Error. Either save SSAP Metadata or reset (to remove changes made) and then submit the SSAP again.
The current SSAP has not changed.	User Error. GUI will not allow SSAP to be submitted to the Data Server if not changes have been made.	None. Only submit SSAP after changes have been made.
Cannot submit to the data server.	Connectivity Error. GUI could not save the SSAP to the Data Server.	Check to make sure that Data Server is up and functioning normally. If Data Server is alive and well, restart the GUI and then repeat the operation (note that all changes will be lost).
Submit to the data server successfully.	Informational. Submit to Data Server succeeded.	None.
Do you really want to delete the selected SSAP?	Informational. User has clicked on the Delete button and this is a confirmation message.	Select Yes or No on the pop-up window.
Cannot delete the selected SSAP.	Connectivity Error. GUI could not submit Deletion request to the Data Server.	Check to make sure that Data Server is up and functioning normally. If Data Server is alive and well, restart the GUI and then repeat the operation.
Select a SSAP first.	User Error. User must first select an SSAP (on the Main tab) before choosing the desired function.	Select an SSAP on the Main Tab and then reselect the desired function.
Cannot Open the file list.	Disk Access error. GUI cannot find the File List on disk.	Submit current changes to the Data Server and restart the GUI.
Invalid path entered.	User Error. Path entered on File List tab does not exist on the local machine.	Enter corrected path.

Message Text	Impact	Cause and Corrective Action
Cannot go to the parent directory.	User Error. User attempted to go to the parent of the root directory.	None.
Cannot set the selected directory to the current path.	User Error. Path entered on File List tab does not exist on the local machine.	Enter corrected path.
Do you really want to delete the selected file(s) from this SSAP?	Informational. User has clicked on the Delete button on the File List tab and this is a confirmation message.	Select Yes or No on the pop-up window.
Select a File Type first.	User Error. User did not select a File Type before trying to add to, extract from or delete from the SSAP.	Select the appropriate File Type and repeat the command.
Cannot Add the selected files to the current SSAP.	File Access error. The selected files cannot be found to add to the current SSAP.	Maybe sure that the files still exist on the local disk.
No Items selected to delete	User Error. No files selected in the SSAP File List window before the delete button was pressed.	User Error. Select files to delete before pressing the delete button.
Name and Version must have non-null values.	User Error. User did not fill in a value for Name and/or version not he Associated Collections window.	User Error. Make sure that both Name and Version are filled in before pressing the OK button on the Associated Collections window.
Cannot add new Assoc Collection.	Metadata Write Error. Associated Collection could not be added to the metadata.	First check to make sure that Name and Version were entered correctly on the Associated Collections window. Correct any errors. If the problem still exists, check the LogStatus file in the logs directory for reason for the failure and take appropriate action to correct.

Message Text	Impact	Cause and Corrective Action
Duplicate Short Name/Version.	User Error. User entered a Short Name/Version pair that already exists in Associated Collection.	User Error. Not action needed. Duplicate entry was NOT added to the Associated Collection list.
Cannot change SW date last modified.	User Error. Date in the SW Data Last Modified entry is invalid.	Correct the date in the SW Data Last Modified entry.
Failed changing SW date last modified.	Metadata Write Error. GUI could not write SW Date Last Modified metadata to disk.	First check to make sure that SW Data Last Modified was entered correctly. Correct any errors. If the problem still exists, check the LogStatus file in the logs directory for reason for the failure and take appropriate action to correct.
Cannot change Acceptance date	User Error. Date in the Acceptance Date entry is invalid.	Correct the date in the Acceptance Date entry.
Failed updating Acceptance date.	Metadata Write Error. GUI could not write Acceptance Date metadata to disk.	First check to make sure that Acceptance Date was entered correctly. Correct any errors. If the problem still exists, check the LogStatus file in the logs directory for reason for the failure and take appropriate action to correct.
Cannot change PGE date last modified.	User Error. Date in the PGE Date Last Modified entry is invalid.	Correct the date in the PGE Date Last Modified entry.
Failed changing PGE date last modified.	Metadata Write Error. Could not write PGE Date Last Modified metadata to disk.	First check to make sure that PGE Data Last Modified was entered correctly. Correct any errors. If the problem still exists, check the LogStatus file in the logs directory for reason for the failure and take appropriate action to correct.

Message Text	Impact	Cause and Corrective Action
Cannot set maturity Code. . . .	Metadata Write Error. Could not write Maturity Code metadata to disk.	First check to make sure that Maturity Code was entered correctly. Correct any errors. If the problem still exists, check the LogStatus file in the logs directory for reason for the failure and take appropriate action to correct.
Cannot Reset Metadata	File Access Error. GUI cannot find the backup file for the metadata.	Reset action cannot be performed. User must either keep the current changes (to the metadata) or re-select the SSAP to cancel all changes.
Cannot get Metadata information.	Connectivity Error. SSAP Editor could not retrieve the metadata information from the Data Server or the metadata retrieved is invalid.	Check to make sure that Data Server is up and functioning normally. If Data Server is alive and well, restart the GUI and then repeat the operation.
Cannot save Metadata without Associate Collection	User Error. Need to set at least one Associate Collection before attempting to Save the metadata.	Create the appropriate Associated Collection and then Save the metadata.
Cannot save Metadata	Metadata Write Error. GUI could not write metadata to disk.	First check to make sure that all visible metadata fields are correct. Correct any errors and Save again. Otherwise, check LogStatus file in the logs directory for reason for the failure and take appropriate action to correct.

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Message Text	Impact	Cause and Corrective Action
Failed changing PGE Name.	Metadata Write Error. GUI could not write PGE Name metadata to disk.	First check to make sure that PGE Name was entered correctly. Correct any errors. If the problem still exists, check the LogStatus file in the logs directory for reason for the failure and take appropriate action to correct.
Failed changing PGE id.	Metadata Write Error. GUI could not write PGE ID metadata to disk.	First check to make sure that PGE ID was entered correctly. Correct any errors. If the problem still exists, check the LogStatus file in the logs directory for reason for the failure and take appropriate action to correct.
Failed changing PGE Function.	Metadata Write Error. GUI could not write PGE Function metadata to disk.	First check to make sure that PGE Function was entered correctly. Correct any errors. If the problem still exists, check LogStatus file in the logs directory for reason for the failure and take appropriate action to correct.
Failed changing PGE Version.	Metadata Write Error. GUI could not write PGE Version metadata to disk.	First check to make sure that PGE Version was entered correctly. Correct any errors. If the problem still exists, check the LogStatus file in the logs directory for reason for the failure and take appropriate action to correct.

Message Text	Impact	Cause and Corrective Action
Failed changing algorithm package Name.	Metadata Write Error. GUI could not write Algorithm Package Name metadata to disk.	First check to make sure that Algorithm Package Name was entered correctly. Correct any errors. If the problem still exists, check the LogStatus file in the logs directory for reason for the failure and take appropriate action to correct.
Failed changing Description Type.	Metadata Write Error. GUI could not write Description Type metadata to disk.	First check to make sure that Description Type was entered correctly. Correct any errors. If the problem still exists, check the LogStatus file in the logs directory for reason for the failure and take appropriate action to correct.
Incorrect value. Must be one of: Initial Delivery Early Delivery ENGRG MOD Operational Enhancement SW Patch	User Error. Value for the Delivery Purpose must be one of those specified.	Correct value and hit enter.
Failed changing Delivery Purpose.	Metadata Write Error. GUI could not write Delivery Purpose metadata to disk.	First check to make sure that Delivery Purpose was entered correctly. Correct any errors. If the problem still exists, check the LogStatus file in the logs directory for reason for the failure and take appropriate action to correct.

Message Text	Impact	Cause and Corrective Action
Are you sure you want to overwrite data for the current selection	Warning message. Data will be overwritten if the "Yes" button is clicked.	User must decide if he/she wants data overwritten and then click on the appropriate answer.
Unknown Exception in	GUI error. GUI encountered an unexpected error. GUI is in a bad state.	Note down the location of the error (it appears after "in") for debugging purposes. GUI must be restarted.
Memory Allocation Failure in	GUI Error. GUI encountered an error allocating memory.	Note down the location of the error (it appears after "in") for debugging purposes. GUI must be restarted to free up memory.
Unable to retrieve pge versions from the database in	Database error. GUI could not find versions for user selected PGE.	Database corruption, inconsistency or connectivity problem. GUI must be restarted to fix connection or inconsistency problem. If problem still occurs, the database must be checked for corrupted entries.
Need to select Name/Version pair before Display is allowed.	User Error. User did not select both a PGE Name and PGE Version.	User must select a PGE Name and Version pair to continue.
Unable to open the Odl file in	Configuration Error. GUI cannot locate file to display ODL for PGE or ESDT definition.	Check GUI configuration file for correct location of PGE/ESDT SCIENCE METADATA FILEs. Restart the GUI with corrected location.
Unable to display (File may not exist) in	Configuration Error. GUI cannot locate file to display ODL for PGE or ESDT definition.	Check GUI configuration file for correct location of PGE/ESDT SCIENCE METADATA FILEs. Restart the GUI with corrected location.

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Message Text	Impact	Cause and Corrective Action
Need to select Name/Version pair before Delete is allowed.	User Error. User did not select both a PGE Name and PGE Version before clicking the Delete button.	User must select a PGE Name and Version pair and then click on the Delete button.
Need to select correct Profile ID before Delete is allowed.	User Error. User did not select a Profile ID before clicking the Delete button.	User must select a Profile ID and then click on the Delete button.
Are you sure you want to delete the listed PGEs with same SW id from the disk?	Warning message. PGEs will be deleted if the "Yes" button is clicked.	User must decide if he/she wants PGEs deleted and then click on the appropriate answer.
Unable to obtain science software id from the database (can't delete) in	Database error. GUI could not find science software id for PGE selected to delete.	Database corruption, inconsistency or connectivity problem. GUI must be restarted to fix connection or inconsistency problem. If problem still occurs, the database must be checked for corrupted entries.
Need to select Name/Version pair before Edit is allowed.	User Error. User did not select both a PGE Name and PGE Version before clicking the Edit button.	User must select a PGE Name and Version pair and then click on the Edit button.
Need to select correct Profile ID before Edit is allowed.	User Error. User did not select a Profile ID before clicking the Edit button.	User must select a Profile ID and then click on the Edit button.
Unable to obtain user parameters from the database in	Warning message. No User Parameters were found in the database.	No action unless User Parameters were expected. Then restart the GUI to fix database connection or inconsistency problem.
There are no user parameters for this pge	Warning message. No User Parameters were found in the database.	No action unless User Parameters were expected. Then restart the GUI to fix database connection or inconsistency problem.

Message Text	Impact	Cause and Corrective Action
There are no Esdt for this pge	Warning message. No ESDTs were found in the database.	No action unless ESDTs were expected. Then restart the GUI to fix database connection or inconsistency problem.
Unable to obtain Resource requirements from the database in	Database error. GUI could not find Resource Requirements for selected PGE.	Database corruption, inconsistency or connectivity problem. GUI must be restarted to fix connection or inconsistency problem. If problem still occurs, the database must be checked for corrupted entries.
Unable to obtain performance data from the database in	Database error. GUI could not find Performance Data for selected PGE.	Database corruption, inconsistency or connectivity problem. GUI must be restarted to fix connection or inconsistency problem. If problem still occurs, the database must be checked for corrupted entries.
This value would cause overflow or underflow	User Error. User entered a value that is too large or too small.	User must enter a value within the accepted range.
Maximum integer value exceeded in	User Error. User entered an Integer value that is too large.	User must enter a value within the accepted range.
Resource Manager construction FAILED!	GUI Error. GUI encountered an error allocating memory (for the Resource Manager).	Note down the location of the error (it appears after "in") for debugging purposes. GUI must be restarted to free up memory.
Unable to retrieve processing strings from the Database	User Error. Resource Planning information is not in the current database.	Need to run Resource Planning for the current database and then restart the GUI.
Unable to retrieve computer strings from the Database	User Error. Resource Planning information is not in the current database.	Need to run Resource Planning for the current database and then restart the GUI.

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Message Text	Impact	Cause and Corrective Action
There are no processing strings in the Database	User Error. Resource Planning information is not in the current database.	Need to run Resource Planning for the current database and then restart the GUI.
There are no computer names in the Database	User Error. Resource Planning information is not in the current database.	Need to run Resource Planning for the current database and then restart the GUI.
Processing String or the computer name is not in the list of Valids, found in	Database Error. Processing String or Computer Name Valids have changed while the GUI was operating.	Database inconsistency problem. GUI must be restarted to fix inconsistency problem.
Maximum floating point value exceeded in	User Error. User entered a floating point value that is too large.	User must enter a value within the accepted range.
Unable to create the User Parameter Collection class: Aborting update in	Database error. GUI could not save User Parameter data to the database.	Database corruption, inconsistency or connectivity problem. GUI must be restarted to fix connection or inconsistency problem. If problem still occurs, the database must be checked for corrupted entries.
Unable to create resource requirements class: Aborting update in	Database error. GUI could not save Resource Requirement data to the database.	Database corruption, inconsistency or connectivity problem. GUI must be restarted to fix connection or inconsistency problem. If problem still occurs, the database must be checked for corrupted entries.
Failure connecting to the database in	Database error. GUI could not connect to the database.	Database connectivity problem. GUI must be restarted to fix connection. If problem still occurs, Sybase support may be needed.

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Message Text	Impact	Cause and Corrective Action
Cannot select Computer from database in	Database error. GUI cannot find computer in database.	Database corruption, inconsistency or connectivity problem. GUI must be restarted to fix connection or inconsistency problem. If problem still occurs, the database must be checked for corrupted entries.
Cannot get StringName from database in	Database error. GUI cannot find string in database.	Database corruption, inconsistency or connectivity problem. GUI must be restarted to fix connection or inconsistency problem. If problem still occurs, the database must be checked for corrupted entries.
Unable to create PlPerformance class: Aborting update in	Database error. GUI cannot save data to database.	Database corruption, inconsistency or connectivity problem. GUI must be restarted to fix connection or inconsistency problem. If problem still occurs, the database must be checked for corrupted entries.
Unable to update the database in	Database error. GUI cannot save data to database.	Database corruption, inconsistency or connectivity problem. GUI must be restarted to fix connection or inconsistency problem. If problem still occurs, the database must be checked for corrupted entries.
PGE has now changed from New to Existing	Informational. PGE has now been marked as "existing" in the database and can be scheduled.	No action need to be taken. After all info for a PGE has been saved by the GUI and PGE is marked as "existing" and can be scheduled.

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Message Text	Impact	Cause and Corrective Action
Could not get PGEs from the Database in	Database error. GUI cannot retrieve PGEs from the database.	Database corruption, inconsistency or connectivity problem. GUI must be restarted to fix connection or inconsistency problem. If problem still occurs, the database must be checked for corrupted entries.
There are no PGEs in the database Found in	Database error. GUI cannot retrieve PGEs from the database.	Database corruption, inconsistency or connectivity problem. GUI must be restarted to fix connection or inconsistency problem. If problem still occurs, the database must be checked for corrupted entries.
There are no Existing PGEs	Warning message. No Existing PGEs were found in the database when the user selected "Existing" from "New"	No action required.
Unable to retrieve new pges from the database Found in	Warning message. No New PGEs were found in the database (the tool defaults to this PGE state).	No action required.
There are no More New PGEs	Warning message. No New PGEs were found in the database (the tool defaults to this PGE state).	No action required.

Table A.2.9-4.   Prohibited Function Checker Messages

Message Text	Impact	Cause and Corrective Action
An Item must be selected from the list for viewing	User Error. User must select and item before clicking the View button.	Select the item desired and click the View button.
No files selected	User Error. User did not select one of more files to check.	Select one of more files and re-select the command.
No reference to prohibited functions list file could be found in the process control file	Process Control File (PCF) error. PCF has missing/corrupted entries.	Check that the PCF (DpAtMgrInternal.pcf) has appropriate entries for prohibited functions.
Error accessing the Process Control File. Check that the environment variable PGS_PC_INFO_FILE is defined and that its value is the location of a valid Process Control File.	PCF error. Configuration file for the prohibited function checker is pointing to an invalid PCF.	Check the EcDpAtBadFuncGui.CFG file for the setting of PGS_PC_INFO_FILE and make sure that it is pointing to a valid PCF.
Unable to open the prohibited functions list file defined in the Process Control File.	PCF error. Process Control File has a bad location for the prohibited functions list for the specified file type.	Check PCF (DpAtMgrInternal.pcf) for definition of prohibited functions list and make sure it exists and is valid.
Encountered unexpected error. . . ."	GUI internal error. An unknown error occurred.	Check LogStatus file in the logs directory for possible debugging information.
Invalid file name	User Error. The filename specified for the report is invalid.	Correct the report filename (remove any special characters, make sure location exists) and try the command again.
Invalid directory specification"	User Error. The directory specified does not exist.	Correct the directory name and try the command again.

Table A.2.9-5. SSAP Process Control File Checker User Messages (1 of 2)

Message Text	Impact	Cause and Corrective Action
An error was encountered while getting default directory name to display on file selector. Your current directory is displayed instead. Check setting of environment variable PGS_PC_INFO_FILE and rerun program to display default directory	PCF error. Configuration file for the PCF checker is pointing to an invalid PCF.	Check the EcDpAtCheckPCF.CFG file for the setting of PGS_PC_INFO_FILE and make sure that it is pointing to a valid PCF.
Cannot open selected PCF	File Access Error. Selected PCF either does not exist or is not readable.	Check that PCF exists and is readable. Restart the GUI.
$PGSHOME not set or $PGSHOME is not a valid directory	Configuration File error. Configuration file for the PCF checker has not set PGSHOME correctly.	Check the EcDpAtCheckPCF.CFG file for the setting of PGSHOME. Fix it and restart the GUI.
Error while getting temporary output file name	PCF error. PCF does not have correct entry for temporary files.	Correct setting in PCF (DpAtMgrInternal.pcf) under temporary files section.
Invalid file name	User Error. Specified filename is invalid.	Correct the filename (removing any special characters, making sure the directory exists) and try the command again.
Printing to default printer	Informational. Tool always prints to the default printer.	If printer is incorrect, change the default printer in your environment and select print again.
Can't save to	User Error. Specified file to save to cannot be written to.	Check to make sure that the user has permission to write to the file.
Save of file. . . .complete	Informational. File save has completed successfully.	None.

Table A.2.9-5. SSAP Process Control File Checker User Messages (2 of 2)

Message Text	Impact	Cause and Corrective Action
Can not open temporary output file containing PCF checker results	File Access Error. Temporary file cannot be found or opened.	Check that temporary file has not been deleted or moved. Its location is specified in the PCF (DpAtMgrInternal.pcf).
Could not allocate enough space to display file containing PCF checker results. Free some space and retry	Memory error. GUI has run out of memory.	Restart the GUI.
Read error while attempting to read the contents of PCF checker results file into buffer for display	File Access Error. Temporary file cannot be read.	Temporary output file is corrupted. Delete the file (its location is specified in the PCF) and try the check again.

Table A.2.9-6. Binary File Difference Assistant User Messages

Message Text	Impact	Cause and Corrective Action
Copy operation - successful	Informational. File copy succeeded.	None.
Copy operation - unsuccessful	File copy failure. The copying of the specified file failed.	Check permissions in the target directory and make sure that space is available on the machine.
Text must be entered into the text field	User Error. Text field may not be blank.	Fill in text field.
"Unable to open file"	File Access Error. Specified file could not be found or opened.	Check that file exists and is readable. Retry the command.
File is empty	File Access Error. Specified file contains no data.	Check that file has not been corrupted or copied over. Get corrected file and then retry the command.
Unable to allocate memory	Memory allocation error. GUI could not allocate needed memory.	Restart the GUI.
Did not read entire file	File Access Error. GUI could not parse the entire contents of the specified file.	File is probably corrupted. Find uncorrupted version of the file and retry the command.

Message Text	Impact	Cause and Corrective Action
Call to EcPfClient constructor failed.	The query, retrieve, and update cannot be performed. However, the visualization of data may be proceeded.	EcPfClient may not find the Config file. Make sure that Config file exists. Exit GUI and try again later
Call to DpPrQaMonitor constructor failed.	The query, retrieve, and update cannot be performed. However, the visualization of data may be proceeded.	DpPrQaMonitor may not read the parameters in the Config file. Exit GUI and try again later
Unable to initialize PlDataType pool.	The query, retrieve, and update cannot be performed. However, the visualization of data may be proceeded.	May not connect to database, exit GUI. Make sure that PDPS database is up and running, exit GUI and try again later
Failed due to < > errors while constructing DpPrQaMonitor object	The query, retrieve, and update cannot be performed. However, the visualization of data may be proceeded.	Run-time system error. May exit GUI and try again later.
Failed due to unexpected runtime errors while constructing DpPrQaMonitor object	The query, retrieve, and update cannot be performed. However, the visualization of data may be proceeded.	Run-time system error. May exit GUI and try again later.
...No data granule is selected.	Cannot retrieve the data granule	Select 1 or more data granule(s)
...Retrieving data granules failed...	Some how retrieving data granule(s) failed	May not connect to Data Server. Try it again later.
...Querying Data failed	Some how the querying data granules failed	May not connect to Data Server. Try it again later.
Date Interval is invalid. Please enter a valid date.	The querying cannot be performed	Make sure that the end date is greater than the start date and the dates have to be between Jan. 2, 1901 and June 1, 2036

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Table A.2.9-7. QA Monitor User Messages (2 of 2)

Message Text	Impact	Cause and Corrective Action
...UpdateMetaData failed	The updating meta data cannot be performed	May not connect to Data Server. Try it again later.
... Visualizing Data failed	the visualizing data cannot be performed	May not invoke EOSView. Try it again later.
Failed due to < > while constructing EcPfClient or EcUtCIHelp.	The query, retrieve, and update cannot be performed. However, the visualization of data may be proceeded. Also the help would not be available	System unexpected run-time error

Glossary

access control list	A mechanism used by DCE to control the access by DCE principals (e.g., users) to named objects (e.g., files, directories).
ACLs Editor	Provided by CSS, facilitates creation and maintenance of access control lists for given resources and services.
Advertising service	HTML screens that allow researchers to submit requests to create an advertisement, update an advertisement, and delete an advertisement. In addition, users can download an advertised service directly to their PCs.
Admin. & Mod. ESOD	Html-based tool for the administration and moderation of the Earth Science Online Directory (ESOD).
agent system	An agent system is a device or computer system that is managed by the HP OpenView Network Node Manager.
AMASS	File Storage Management Service (files, volumes, media, drives, and jukeboxes). Integrated with Volserv (volume serving system) and Ingres (database management system) COTS products.
AutoSys/AutoXpert	COTS software that provides job scheduling and management. Also provides graphics to monitor, analyze, forecast and plan AutoSys implementations.
Bulletin Boards	Interface that manages posting of electronic messages and files/attachments for sharing information among users and operations staff.
cell	A cell is an administrative entity within DCE that consists of a set of associated users, computers, and supporting resources. A cell establishes a security boundary between the users and resources within the cell and those outside of the cell.
Cell Directory Service	The Cell Directory Service (CDS) is the DCE component that looks up and manages names within a DCE cell.
ClearCase	Software change manager that stores ECS custom software and science software, regulates access t the files, controls and logs file changes, performs software builds, and maintains a record of the build. Maintains a library of software deployed to sites.
CMI	Cryptographic Management Interface. Used to create accounts for given user names and passwords.
Crack	Used to determine if passwords are secure.

DAR	Data Acquistion Request for Aster instrument data
DART	Allow user to construct a Data Acquisition Request.
Data Dict. Maintenance	Tool that allow the operator to maintain the ECS Data Dictionary.
Data Distrib. Request	Monitors and controls the request for data distribution.
Data Ingest	Provides a means for external providers to ask for ECS ingest services.

Data Products   Designated as standard or special data products, generated as a part of research investigation using EOS data. The various levels of data are defined as follows (1995 MTPE/EOS Reference Handbook):

Level 0 - Reconstructed, unprocessed instrument/payload data at full resolution; any and all communications artifacts, e.g., synchronization frames, communications headers, duplicate data removed.

Level 1A - Reconstructed, unprocessed instrument data at full resolution, time-referenced, and annotated with ancillary information, including radiometric and geometric calibration coefficients and geo-referencing parameters, e.g., platform ephemeris, computed and appended but not applied to the Level 0 data.

Level 1B - Level 1A data that have been processed to sensor units (not all instruments will have a Level 1B equivalent).

Level 2 - Derived geophysical variables at the same resolution and location as the Level 1 source data.

Level 3 - Variables mapped on uniform space-time grid scales, usually with some completeness and consistency.

Level 4 - Model output or results from analyses of lower level data, e.g., variables derived from multiple measurements.

Data Server   Software associated with storing earth science and related data, searching and retrieving the data, and supporting the administration of the data, hardware devices, and software products.

DCE   DCE is the Distributed Computing Environment. DCE is a set of services that support the interaction of applications in a distributed computer system. DCE supports interprocess communication between clients and servers, a common location-independent naming system for computer resources, a distributed time service, a security service, and a distributed file service.

DCE Cell Manager   Manages a DCE cell's directory namespace, time-provider processes and configuration and security registry.

DDTS	Change request manager used to compose, submit, report and track status of proposals to change ECS resources electronically.
Distributed Time Service	The Distributed Time Service (DTS) is the DCE component that synchronizes the computer clocks within a network.
Document Data Server	Provides search, on-line access and storage of documents in HTML, Postscript, ASCII, PDF and RTF formats.
ECS Desktop	Simulates Common Desktop Environment (CDE); interface that acts like a file manager, allowing launch of applications, creation of directories and moving/copying/ deleting files.
Email	Service that manages electronic mail messages for DAAC operators.
EOSView	A custom HDF file verification tool. Displays HDF files and HDF-EOS data.
ESSM	Tool that interfaces with Sybase to perform database administration. Available through Tivoli.
event	An event, in this context, is an unsolicited notification from the HP OpenView performance management software that describes a change in the status or performance.
Event Log	The Event Log Database resides at each ECS site. It records status and error messages generated by the various ECS applications at the site. The Event Log Browser is used to view the status and error messages.
Event Log Directory	This directory resides on every computer platform and contains the log files used by applications to report status and error messages. Log files in the Event Log Directory are loaded into the Event Log Database on a periodic basis.
FLEX/lm	COTS for the administration of licenses.
GCMD Data Export	Extracts Data Interchange Format (DIF) from the SDSRV inventory database to the Global Change Master Directory (GCMD).
HP OpenView	Customized COTS used to monitor system performance and manage system components.
IDL	Interactive data language used to interactively visualize and analyze scientific and engineering data products.
Ingest GUIs	Allows monitor and control of Ingest requests, modification of system and external data-provided parameters and initiate hard media ingest. An HTML interface allows for submission of ingest requests for processing.
iFOR/ls	COTS for the administration of network licenses.

ILM	Helps M&O maintaining records that describe all inventory components, structures, and interdependencies.
INN	Bulletin Board server.
Intelligent Query (IQ)	Generates reports by extracting and formatting information from a database.
isql	SQL command parser utility used to interact with a SQL server ad databases on a SQL server.
Main Window Manager	Provides login to UNIX and ECS, authenticates the user and brings up the appropriate ECS Desktop based upon the operator role.
Management Data Access	Centralizes, processes and provides access to information logged into the management data log file on each management host from various sources via the MSS Management Agent Services.
manager system	An HP OpenView software system that executes network management operations which monitor and control components (agent systems) of ECS.
MS Office	A collection of applications that work together as if they were a single program. Includes Word (word processing), Excel (spreadsheet) and PowerPoint (graphics/presentation) programs.
msql	An interactive query processor and SQL command line interpreter that provides access to the Illustra database.
Netscape Commerce Server	Server for World Wide Web (WWW) documents.
Netscape Navigator	World Wide Web (WWW) browser. Used to obtain information from other sources.
Network Node Manager	The Network Node Manager is part of the HP OpenView product and is a network management application that manages TCP/IP networks and devices that support SNMP.
Networker	Tool used by system administrators to perform site-wide system backup except databases.
nnpost	Software that allows posting material to the bulletin board.
OpenView Windows	OpenView Windows is supplied as part of the HP OpenView product and provides the X-Windows interface to the ECS system performance management capabilities.
Order Tracking	User services tool that tracks order status and request status.

principal	A principal is a user of a DCE-based system. DCE principals include human users, servers, machines, and cells.
Process Control File	Specifies the names and locations of files used by science software executables, and defines the correspondence between the file specifications and the logical identifiers used by the science software to reference the specified files.
Prod. Strategies	Used to tailor the priority of the Production Requests.
Prod. Plann. Workbench	Used to include a Production Request in a plan and receive a forecast of the resource needed based on past experience with the same kind of request.
Prod. Request Editor	Allows the Operator to submit production Requests which produce data product.
QA Monitor	Assist in manual quality assurance activities such as query and retrieve data granules, visualize data products and update metadata.
registry database	The registry database is a database utilized by DCE to maintain information about DCE users (principals), groups, organizations, and accounts. The database contains information similar to that contained in the UNIX group and password files.
Release B Search and Order Tool (B0SOT)	Searches data holding for Release B; allows users to search for and order data from the ECS Data and V0 data servers.
Remedy Action Request System	Provides DAACs with a trouble ticketing service to **c**lassify, track and report problems.
Remote Procedure Call	Applications that use RPCs look and behave much like local applications. However, an RPC application is divided into two parts: an RPC server, which offers one or more sets of remote procedures, and an RPC client, which makes remote procedure calls to RPC servers. A server and its clients generally reside on separate systems and communicate over a network.
Replication Server	Maintains warm standby copies of application data and replicates changes among databases at different sites.
Resource Planning	Used to plan the allocation of DAAC resources.
SATAN	Examines network services to investigate potential security problems.
Sniffers	Monitors network traffic for collisions and troubleshooting.
SQL Server	A SQL Server is a set of cooperating processes that manage multiple Sybase databases and multiple users.
SQR Report Writer	Generates reports for SQL-based relational databases.

SSI&T Manager	Allows check in and verification of science software delivered by the instrument teams at the SCFs. Provides access to all COTS tools and custom applications that are part of the SSI&T environment.
Subscription Editor	Allows the operator to manually enter Subscription to the Subscription Server.
Subscription Server	Allows users to register their events related to a certain type of data.
submap	A submap is an X-Windows display that contains symbols that represent portions of the ECS network that are managed by HP OpenView.
Sybase Replication Server	Maintains warm standby copies of application data and replicates changes among databases at different sites.
TCP Wrappers	Monitors and controls access to network services on a host.
Tivoli	An integrated desktop that provides the capability to perform systems administration (Tivoli ADMIN), system monitoring (Tivoli Enterprise Console), and performance and fault monitoring (Tivoli Sentry).
Tripwire	An intrusion detection tool that monitors files for changes.
Tuple	Data reflecting unique strings of information associated with and descriptive of an event (e.g., names, identifier numbers, data types)
User Account Manger	Tool used by DAAC operators to process new accounts and manage existing ones.
User Audit Tool	Used to browse for user activity such as logins, host names, and login status.
User Comments Tool	HTML page that allows ECS users give feedback on an ECS application via survey.
User Registration Tool	HTML page that contains an ECS registration form.
V0 Gateway Metadata Import	extracts ESDT data into an export file, maps the valids to the V0 domain and stores it in the V0 gateway database.
XRP II	Baseline Manager used to maintain records of baselined operational system configurations.

Abbreviations and Acronyms

ACL	access control list
ACS	Automated Cartridge System
ACSLS	Automated Console System for Library Services
ADC	affiliated data center
ADSRV	Advertising Service CSCI
AI&T	algorithm integration and test
AITTL	Algorithm Integration and Test CSCI
ALOG	Application Log file
AM-1	EOS AM Project spacecraft 1, morning spacecraft series -- ASTER, MISR, MODIS and MOPITT instruments
AMASS	Archival Management and Storage System
AML	Automated Media Library
AMU	Automated Management Unit
ANSI	American National Standards Institute
API	application program (or programming) interface
AR	Action Request
ASCII	American Standard Code for Information Exchange
ASTER	Advanced Spaceborne Thermal Emission and Reflection Radiometer
BIS	Baseline Information System
BLM	BaseLine Manager
CAP	Cartridge Access Port
CD	Cartridge Drives
CD-ROM	compact disk -- read only memory
CDE	Common Desktop Environment
CDRL	contract data requirements list
CDS	Cell Directory Service

CHUI	Character-based User Interface
CIDM	Client, Interoperability and Data Management Subsystem
CLS	Client Subsystem
CM	Configuration Management
CMI	Cryptographic Management Interface
COTS	commercial off-the-shelf
CPU	central processing unit
CRM	Change Request Manager
CSCI	Computer Software Configuration Item
CSDT	Computer Science Data Type
CSMS	Communications and Systems Management Segment
CSS	Communications Subsystem
DAAC	Distributed Active Archive Center
DAN	Data Availability Notice
DAO	Data Assimilation Office
DAR	Data Acquistion Request
DART	Data Acquisition Request Tool
DAS	data availability schedule
DB	database
DBMS	database management system
DCCI	Distributed Computing Software CSCI
DCE	Distributed Computing Environment (COTS)
DDA	Data Delivery Acknowledgment
DDICT	Data Dictionary CSCI
DDN	Data Delivery Notice
DDSIT	Data Distribution Service CSCI
DDSRV	Document Data Server CSCI
DDTS	Distributed Defect Tracking System (COTS)
DID	data item description

DIF	Data Interchange Format
DMS	Data Management System
DO	Derived Objects
DPR	data processing request
DPS	Data Processing Subsystem
DSKT	Desktop CSCI
DSS	Data Server Subsystem
DTS	Distributed Time Service
ECS	EOSDIS Core System
EDC	EROS Data Center
EDF	ECS Development Facility
EDHS	ECS Data Handling System
EIF	Entry Interface Facility
EIN	Equipment Inventory Number
EOC	EOS Operations Center (ECS)
EOS	Earth Observing System
EOS-AM	EOS Morning Crossing (Descending) Mission -- see AM-1
EOSDIS	Earth Observing System Data and Information System
ESDIS	Earth Science Data and Information System
ESDT	Earth Science Data Types
ESN	EOSDIS Science Network
ESOD	Earth Science Online Directory
ESSM	Enterprise SQL Server Manager
FDDI	fiber distributed data interface
FSMS	File Storage Management System
FTP	file transfer protocol
GB	gigabyte
GCMD	Global Change Master Directory
GSFC	Goddard Space Flight Center

GTWAY	V0 Interoperability Gateway CSCI
GUI	graphic user interface
GV	ground validation
HDF	hierarchical data format
HDF-EOS	an EOS proposed standard for a specialized HDF data format
HLE	High Level Event
HMI	human machine interface
HPOV	HP Open View
HTML	HyperText Markup Language
HTTP	Hypertext Transport Protocol
HWCI	Hardware Configuration Item
I&T	integration and test
I/O	input/output
ICD	interface control document
ID	identification
IDL	interactive data language
ILM	Inventory, Logistics and Maintenance Manager
IMSL	International Math and Statistics Library
INCI	Internetworking CSCI
INGST	Ingest Services CSCI
INS	Ingest Subsystem
IOS	Interoperability Subsystem
IQ	Intelligent Query and IQ Access
Ir1	Interim Release One
IRD	interface requirements document
ISO	International Standards Organization
isql	interactive SQL
ISS	Internetworking Subsystem
JDT	Java Data Acquistion Request Tool

JIL	Job Information Language
JM	Job Management
JPL	Jet Propulsion Laboratory
L0-L4	Level 0 (zero) through Level 4
LAN	local area network
Landsat	Land Remote-Sensing Satellite
LaRC	Langley Research Center (DAAC)
LCU	Library Control Unit
LPS	Landsat Processing System
LTM	log transfer managers
MACI	Management Agents CSCI
MB	megabyte (10^6)
MCI	Management Software CSCI
MDA	Management Data Access
MIB	Management Information Bases
MLCI	Management Logistics CSCI
MODIS	Moderate-Resolution Imaging Spectrometer
MOPITT	Measurements of Pollution in the Troposphere
MSS	System Management Subsystem (of CSMS)
MTPE	Mission to Planet Earth
MUA	Mail User Agent
NCS	Network Computing System
NCS	Netscape Commerce Server
NESDIS	National Environmental Satellite Data and Information Service
NMC	National Meteorological Center (NOAA)
NNM	Network Node Manager
NOAA	National Oceanic and Atmospheric Administration
ODFRM	On Demand Product Request Form

ODL	Object Description Language
OODCE	Object Oriented DCE
OSF	Open Systems Foundation
OSI	Open System Interconnect
OTS	Off-the-Shelf
OV	OpenView (HPOV)
OVW	OpenView Windows
PCF	Process Control File
PDPS	Planning & Data Processing System
PDS	production data set
PGE	product generation executable
PLANG	Production Planning CSCI
PLS	Planning Subsystem
PM	Preventative Maintenance
POSIX	Portable Operating System Interface for Computer Environments
PR	Production Request
PR	Precipitation Radar (TRMM)
PRONG	Data Processing CSCI
PWB	Planning WorkBench
QA	quality assurance
QRU	Query/Retrieve/Update
RAID	Redundant Array of Inexpensive Disks
RASOT	Release A Search and Order Tool
RPC	remote procedure call
RSM	Replication Server Manager
RSSD	Replication Server System Database
RTF	rich text format
SAA	satellite active archive
SAGE	Stratospheric Aerosol and Gas Experiment

SATAN	Security Administrator Tool for Analyzing Networks
SCF	Science Computing Facility
SDP	Science Data Processing
SDPF	Sensor Data Processing Facility (GSFC)
SDPS	Science Data Processing Segment (ECS)
SDPTK	SDP Toolkit CSCI
SDSRV	Science Data Server CSCI
SGI	Silicon Graphics, Inc.
SMC	System Management Center (ECS)
SNMP	Simple Network Management Protocol
SPRHW	Science Processing HWCI
SQL	structured query language
SQR	SQL Report Writer
SSI&T	Science Software Integration and Test
SSM/I	Special Sensor for Microwave/Imaging (DMSP)
SST	sea surface temperature
STMGT	Storage Management CSCI
TDP	Tabular Datastream Protocol
TEC	Tivoli Enterprise Console
TMI	TRMM Microwave Image
TOMS	Total Ozone Mapping Spectrometer
TONS	TDRS On-board Navigational System
TT	Trouble Ticket
UFS	Unix File System
URDB	User's Recommendations Home Page
UT	universal time
UTC	universal time code
V0	Version 0
VOB	versioned object base

WAIS	Wide Area Information Server
WAN	wide area network
WKBCH	Workbench CSCI
WWW	World-Wide Web